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1 [1302]. **12** [488]. **1989** [276]. **1989-1990** [275]. **1990s** [444, 135, 214].

2 [1187]. **20/20** [1581]. **2000** [1488, 1476, 1309]. **20th** [71]. **21st** [241, 1661, 1239, 1421, 468, 1116]. **22nd** [401].

3.0 [1650]. **3D** [1689, 331, 458].

4 [439]. **400** [918]. **47s** [1833].

5 [582]. **50th** [980].

'89 [26].

'90s [1203]. **'92** [39]. **'95** [779]. **'96** [965]. **9X** [398, 399, 397].

= [1396, 186].

Abandoned [1385]. **Above** [834]. **Abstract** [1179]. **abstracting** [1442]. **abstractions** [1865]. **abuses** [1866]. **academe** [1313, 1808]. **Academic** [646, 262, 1459, 1846, 1549, 60]. **Academic-Industry** [262]. **Acadia** [1458]. **acceleration** [317]. **acceptance** [1490].

Access [736, 1070, 1454, 1326, 234, 1459, 11, 1520, 1721, 1513, 1591, 1518, 205, 475, 826, 1146]. **Accessing** [1512]. **Accidental** [222, 375]. **Accountability** [958, 606]. **accounting** [1482]. **Accreditation** [259]. **Accredited** [1055, 259, 418, 673, 790]. **ACE** [457]. **achieve** [1376]. **achieved** [1082]. **achievements** [231]. **achieving** [1620]. **ACM** [401, 71, 979, 323, 442, 962, 961, 983, 1056, 1094, 1088, 1207, 1294, 1366, 1418, 1413, 1205, 1296, 1292, 1369, 1412, 1373, 1209, 1295, 1367, 25, 1449, 1489, 1869, 322, 831, 1328, 321, 404, 1299, 388, 278, 490, 1211, 241, 488, 1136, 232, 189, 1768, 34, 1826, 779]. **ACM/IEEE** [189]. **ACM/IEEE-CS** [189]. **ACM's** [980]. **Acquisition** [1078, 1437, 125, 574]. **Across** [951, 1456]. **Act** [1832, 1255, 1093, 1696]. **Action** [1710, 1892, 604]. **Active** [1705]. **Activities** [234]. **Activity** [884, 288]. **ADA** [321, 398, 392, 394, 395, 399, 396, 393, 397]. **AdAM** [1778]. **Adaptability** [1141]. **Adapting** [1687]. **Adaptive** [657, 1199, 1397, 1543]. **added** [984, 1697]. **Addendum** [1870]. **addictive** [1505]. **Adding** [1568, 616, 532]. **Additional** [289]. **address** [1605]. **addressing** [698, 1782]. **adds** [1587, 1418]. **Adequacy** [262]. **adopting** [1139]. **adoption** [253, 304, 1711]. **Advanced** [440, 1501, 461]. **Advancement** [1023, 772]. **Advances** [643]. **Advantage** [949, 1920]. **Adventure** [238]. **advertisements** [1861]. **advertising** [1500]. **advice** [497]. **Africa** [612, 951, 432]. **After** [1191, 1394]. **Aftermath** [1343]. **again** [1534, 1566]. **Against** [804, 1375, 264, 1414]. **Age** [1059, 1285, 1811, 279, 1606, 636]. **Agency** [898]. **Agenda** [27, 263, 72]. **Agent** [685, 842, 1753]. **agent-based** [1753]. **Agents** [1744, 688, 1736, 1741, 1745, 678, 945, 1746, 412, 689, 1737, 679, 680, 686, 690, 691, 1748, 677, 1503, 682, 676, 687, 1743, 681, 1749]. **Aggravation** [348]. **Aglets** [1751]. **agora** [1463]. **agreed** [1377]. **agreed-upon** [1377]. **ahead** [982, 1207, 1662]. **AI** [937, 593, 941, 625, 932, 49, 1344]. **AI-based** [49]. **Aid** [243]. **Aids** [992]. **aim** [88]. **Air** [622]. **AK** [1833]. **AK-47s** [1833]. **Alan** [55]. **Alexandria** [823]. **Algol** [519]. **Algorithm** [311, 1, 1180, 146, 1182, 85, 2, 357, 289, 1761]. **algorithm-based** [1761]. **Algorithms** [1187, 1012, 1950, 1946, 117, 76, 1129, 1306, 636]. **All-optical** [1821]. **Allen** [1412, 405]. **alliance** [663]. **allocation** [856]. **Allowing** [1377, 382]. **along** [650]. **Alpha** [435, 434, 433, 436]. **Alphabets** [45]. **Already** [1282]. **Alt** [979]. **Altair** [554]. **Alternative** [659, 62]. **Alternatives** [1001]. **alters** [1377]. **always** [1581, 851]. **Amazing** [1270]. **Amazon** [300]. **Amdahl** [1184]. **Amendment** [183]. **America** [1654]. **American** [71, 241, 474]. **Amoeba** [127]. **Among** [1891]. **Amplifiers** [431]. **Amsterdam** [616]. **Analog** [1779, 1907]. **analogy** [305]. **Analysis** [190, 413, 361, 111, 24, 1054, 362, 1701, 848, 1185, 1780, 333, 369, 286, 607, 383, 749, 886, 642, 510, 839, 1264, 364, 384, 1448, 357, 596, 363, 549, 1527, 643, 1761]. **Analyst** [1010]. **Anchoring** [1162]. **Andrew** [1188, 1189]. **Animal** [565]. **Animation** [1858, 1046, 1101, 458]. **anniversary** [980]. **annotations** [560]. **Announcing** [763]. **Annual** [274, 80, 71, 52, 401]. **Anonymity** [1177]. **Anonymous** [1719, 1721]. **Answer** [1112]. **Answers** [1183, 912, 467]. **Anti** [1103]. **Anti-Mac** [1103]. **anticipate** [1656, 1377]. **anticircumvention** [1871]. **antiquities** [1513]. **Antivirus** [1195]. **Anytime** [1341]. **anyway** [1508]. **Anywhere** [1341]. **Apache** [1772]. **Apartness** [612]. **Application** [498, 54, 1426, 880, 1897, 1395]. **Applications** [1160, 939, 937, 940, 943, 795, 938, 270, 1301, 926, 634, 1383, 627, 1595, 875, 890, 1567, 1402,

134, 628, 1777, 630, 163, 1708, 1619, 1841]. **applicative** [379]. **Applied** [110]. **Applying** [798, 1349, 1262, 957, 364, 1139, 613]. **appraising** [1839]. **appreciation** [819]. **Apprenticing** [838]. **Approach** [1031, 380, 73, 381, 880, 592, 286, 1801, 509, 1316, 252, 564, 508, 1922, 652, 656, 49, 668]. **Approaches** [959, 349, 1254, 704, 1553, 1529]. **approved** [1902]. **Approximate** [1183]. **apps** [1912]. **Arcade** [1345]. **Architecting** [409]. **Architecture** [424, 814, 1665, 434, 1201, 1629, 415, 1138, 1881, 664, 617, 203, 687, 1843]. **architectures** [1897, 1689, 1922, 1651, 1754, 783]. **Archives** [963]. **Area** [812, 249]. **Argument** [1764]. **arm** [1679]. **Armchair** [1764]. **Arms** [804]. **array** [357]. **Arrays** [1179, 1776, 871]. **Art** [193, 1132, 1407, 1548, 28]. **Arthur** [122]. **articulator** [318]. **articulator-based** [318]. **Artificial** [404, 945, 1196, 1855, 349]. **Arts** [1175]. **Asia** [984]. **Asian** [756, 492]. **Ask** [1293]. **Asleep** [1227]. **Aspects** [1141, 1475]. **assess** [391]. **Assessing** [1537, 1482]. **Assessment** [1432, 484, 865, 33, 302, 1686, 53, 843, 21, 121]. **assignment** [655, 1678]. **assignments** [1716]. **assistant** [684]. **Assistive** [315]. **Assumptions** [829]. **Assurance** [1198]. **Asymmetries** [1164]. **Asynchronous** [1035, 1378]. **Atlantic** [1061]. **ATLAS** [1931]. **ATM** [789, 787, 784, 788, 786, 785, 783, 782]. **attained** [1545]. **Attention** [1351]. **attitudes** [946]. **attributes** [596]. **Auction** [856]. **auctions** [1594]. **Audio** [421, 915, 332, 1544]. **augmentative** [316]. **Augmented** [1350, 520, 525, 526]. **Augmenting** [876, 532]. **Australian** [946]. **authentication** [19]. **author** [962]. **authoring** [893]. **Authors** [1203, 1013, 1036, 1564]. **Automated** [653, 713, 1747]. **Automatic** [726, 1554, 620, 332, 383]. **Automatically** [32]. **Automating** [301, 410]. **Automation** [1303]. **Autonomous** [945, 1556, 1822]. **Availability** [1031]. **available** [1082]. **Average** [155]. **Aviation** [610]. **avoid** [1502]. **avoidance** [860]. **Avoiding** [419]. **AWACS** [1896]. **Award** [1292, 1052, 724, 426, 1053, 741, 1412]. **Awards** [1292]. **Aware** [524]. **Awareness** [1358]. **awesome** [463]. **AXP** [435, 434].

B [178]. **Babbage** [1607, 290]. **Back** [520, 1435]. **backbone** [1818, 699]. **Backpropagation** [1182]. **backtracks** [1759]. **Backup** [1007]. **backward** [1545]. **Bad** [1266, 1732]. **Badge** [1095]. **Balance** [1764, 1297]. **Balanced** [62]. **Bandwagon** [1001]. **bandwidth** [1785, 75]. **Bank** [1654]. **Barney** [708]. **Base** [335]. **Base/Database** [335]. **Based** [1260, 599, 626, 1363, 996, 846, 1019, 627, 1552, 286, 1183, 176, 269, 683, 526, 1617, 1914, 1753, 1653, 815, 1782, 19, 370, 22, 1894, 657, 586, 7, 847, 240, 1499, 318, 656, 49, 619, 200, 1754, 1631, 1761, 1519, 1749, 1594, 617, 615]. **basic** [633]. **battle** [1744, 1611, 1698]. **Bayesian** [798, 796, 795]. **Be** [1873, 1115, 1368, 1082, 76, 1624]. **beam** [1862]. **Bearing** [757]. **beasts** [1315]. **beat** [1839]. **Become** [1233, 170]. **Becomes** [1052]. **Becoming** [116]. **Been** [223, 137, 1804]. **beer** [867]. **Before** [351, 554]. **begin** [1209]. **begins** [984]. **Behavior** [1388, 527, 1934, 363]. **Behind** [1132]. **believable** [689]. **Bell** [1061]. **belong** [583]. **Beltway** [1249]. **Benchmarking** [1572]. **benefits** [1546, 501, 1653, 92, 1875]. **Berkeley** [822]. **Best** [1224, 1002, 1546, 1436, 158, 1884]. **Better** [1225, 1662, 1546, 282]. **Between** [1150, 1220, 1222, 1099, 1551, 514]. **Beware** [757]. **Beyond** [1228, 1612, 1307, 1291]. **bias** [853]. **bibliographic** [1517]. **Big**

[1312, 1074]. **Bilingual** [47, 1771]. **Bill** [445]. **binaries** [1446]. **Binary** [438, 2]. **Binding** [1652]. **Biological** [237, 517]. **Biologically** [1254]. **Biology** [237]. **biometrics** [1866]. **Biosphere** [219]. **Birth** [1245]. **Bit** [336, 1756]. **Bit-rot** [1756]. **Bit-Tree** [336]. **BITNET** [128]. **BITS** [738]. **Blacksburg** [1173]. **Blinn** [1947]. **Bloom** [1208]. **blue** [1919, 1086, 1343, 1344]. **Board** [18]. **Body** [1213, 1356]. **Body-Image** [1356]. **Books** [1274, 983, 1295, 1520]. **Bookshelf** [1038]. **Boosting** [876]. **Bootstraps** [1074]. **Both** [1325, 1884]. **bottlenecks** [1124]. **Bottom** [691, 1620]. **bottom-line** [1620]. **Bottom-up** [691]. **Boundaries** [913]. **Bounding** [6]. **Bowl** [80]. **Brain** [1282, 1343]. **Brazilian** [300]. **Breach** [387]. **breakdown** [1771]. **Breaks** [1284]. **bridge** [1563]. **bridging** [82]. **Brief** [494, 493]. **Bringing** [421, 1071]. **British** [861, 826]. **broadband** [422]. **Broadening** [430]. **Brock** [1375]. **Brokerages** [1065]. **brokers** [1651]. **Brother** [1074]. **browser** [1516]. **Budget** [66, 867, 304]. **Bug** [1279]. **build** [1708]. **Building** [1818, 465, 1122, 175, 1632, 1781, 1028, 457, 1563, 399, 824, 786, 263, 1743, 47, 602, 220, 1405, 472, 603]. **builds** [1320]. **bureaucracies** [255]. **bus** [7]. **bus-based** [7]. **Business** [1237, 1567, 1155, 1099, 998, 1764, 274, 1338, 1083, 634, 35, 198, 1586, 627, 1546, 52, 1376, 1714]. **buy** [1746, 1789]. **Buying** [1869, 339, 1934]. **buzzwordism** [1852].

C [563, 236, 844, 92, 1070, 1903]. **C*** [325]. **C-ODA** [1070]. **C/C** [1903]. **Cache** [81]. **CAD** [284]. **Calculating** [1476]. **Calculation** [1291, 153]. **Calculator** [777]. **Calendar** [1037]. **California** [816]. **camel** [1771]. **CamMotion** [1105]. **campus** [1456, 675, 1460]. **Can** [743, 1016, 1873, 1129, 1254, 489]. **Candidates** [1011]. **CANDY** [318]. **capabilities** [1568]. **Capability** [1317]. **Capital** [1336]. **CAPS** [243]. **Care** [1361, 1633, 1359, 1346]. **career** [802]. **Careers** [646]. **carrying** [1082]. **Cartwheeling** [1105]. **Carver** [1412]. **Case** [627, 1552, 985, 1386, 1724, 1936, 1466, 128, 1147, 1618, 1846, 178, 298, 1504, 1654, 304, 1618, 301, 306, 308, 773]. **Case-based** [627, 1552]. **cash** [1064]. **causes** [1899]. **Cautionary** [1298]. **CAVE** [332]. **CD** [816, 1089, 166]. **CD-I** [166]. **CD-ROM** [816, 1089]. **CDA** [1325, 1375]. **ceiling** [767]. **Celebration** [1368, 766, 948]. **Cells** [1181]. **Celtic** [1245]. **Censorship** [1068, 1146]. **center** [1522, 810]. **Centered** [1333, 817, 1028, 1330, 576, 1618, 1018]. **centers** [60]. **centralization** [195]. **centric** [1815, 1843]. **Century** [1239, 468, 1661, 1421, 1116]. **CEO** [1863]. **CEOs** [182]. **ceremony** [1292]. **CERT** [705]. **Certification** [1831]. **Certifying** [147]. **Challenges** [996, 1043, 505, 608, 722, 784, 640, 782]. **challenging** [1835]. **Champagne** [867]. **Champion** [235]. **championship** [241, 401, 71]. **chance** [797]. **change** [842, 1464, 859, 1492, 489, 888, 1110]. **changed** [1608]. **Changes** [1461, 1826]. **Changing** [130, 1449, 1543]. **channel** [1497]. **Chaos** [944, 573]. **Chaotic** [943, 776]. **characters** [1752]. **Charade** [522]. **charges** [1454]. **Charles** [290]. **chasm** [1313]. **check** [1761]. **chemistry** [818]. **Chess** [401, 71, 241]. **CHI** [159]. **Chief** [1415, 1373]. **Children** [1358, 318]. **Chile** [897]. **China** [1563, 1435, 1817]. **Chinese** [1550, 1517]. **Chip** [433]. **chips** [1777]. **choices** [1465, 563]. **Choosing** [534, 1321]. **choppy** [1663]. **Chuck** [1607]. **CIDR** [698]. **CIM** [1404]. **Cinema** [1218, 67]. **CIO** [1863]. **CIOs** [1594]. **Circuits** [1779, 1760]. **Citedness** [172]. **Citizens** [1474]. **clandestine** [842]. **Class** [95, 1876, 712]. **classes** [1321]. **classification** [726, 1449, 748, 180]. **Classroom** [1378].

Classrooms [930]. **Clearing** [1360]. **Client** [1546, 346, 969]. **Client-Server** [346]. **Client/server** [1546]. **CLIM** [215]. **Clinical** [1360]. **Clipper** [552]. **Clipping** [552, 344]. **Clock** [138]. **clockwise** [1895]. **CLOS** [211]. **Clothing** [1096]. **Cluster** [1031, 712]. **Clustering** [1183]. **CM** [1187, 582]. **CM-2** [1187]. **CM-5** [582]. **CMM** [1131]. **CMU** [1188]. **COACH** [685]. **Cobol** [1438, 1371, 1555]. **Code** [1430, 518, 323, 442, 1902, 653]. **codes** [43]. **codevelopment** [500]. **Coding** [164, 243, 46]. **Coevolution** [1195]. **Cognition** [850, 882, 1113]. **Cognitive** [853]. **cognitively** [1743]. **coherence** [1741, 883]. **coin** [408]. **coincidences** [100]. **Cold** [602]. **Collaboration** [249, 1423, 900, 903, 703, 1524, 258]. **Collaborative** [1260, 1128, 1259, 1262, 1503, 261, 258, 885, 1284, 884, 333, 679, 414, 1708, 1504, 479, 773]. **Collaboratory** [1363, 1021, 256]. **Colleagues** [151]. **Collecting** [1095, 1839]. **Collection** [1181, 1742, 1314]. **Collective** [876, 327]. **college** [1136]. **collegiate** [981]. **Color** [15]. **Column** [1851]. **COM** [1542]. **combinational** [1759]. **Combinatorial** [774, 1761]. **Combining** [1459, 1318, 1259]. **COMDEX** [65, 192]. **Come** [1285, 1491, 636]. **Comes** [915, 1473]. **coming** [149]. **Commentary** [993, 1816]. **Commentators** [447]. **Comments** [388, 151]. **Commerce** [978, 1069, 1060, 1679, 1876, 1835, 1753, 1745, 1889, 1064, 1655, 1590]. **Commercial** [1062, 940, 941, 625, 932, 1006]. **Commercialization** [731]. **commission** [40]. **commitment** [609]. **Committee** [1207, 391, 1294, 1366]. **Common** [77, 1630, 218, 1304, 215]. **Communication** [1035, 1031, 4, 1030, 1034, 919, 1033, 317, 316, 40, 1124, 423, 253, 1313, 1544, 1029]. **Communications** [1242, 546, 1093, 17, 461, 785, 962, 961, 1696]. **Communism** [390]. **Communities** [1283, 1023, 95, 1739]. **Community** [603, 38, 1515, 302, 36, 1942]. **companions** [308]. **company** [1546, 1376]. **Compare** [1764]. **Comparing** [16, 1050, 857, 1054, 371, 1903]. **Comparison** [1187, 498, 50, 621, 30, 358, 271]. **Compatibility** [873]. **competing** [1691]. **Competitive** [412, 1546, 1863]. **Competitiveness** [1592]. **Compilations** [280]. **Compiler** [1949, 287]. **compilers** [668]. **Compiling** [354]. **Complete** [287]. **Complex** [1026, 775, 1617]. **Complexity** [724, 1240, 65, 587]. **Compliance** [986, 1725, 1476]. **Component** [373, 1542, 1894, 870]. **component-based** [1894]. **Component-Oriented** [373]. **components** [1567, 1396]. **componets** [1397]. **comprehension** [882]. **compressed** [319]. **compressing** [809]. **compression** [272, 163, 161]. **Computation** [1161, 380, 921, 1339, 1420, 1915, 583, 82]. **Computational** [724, 708, 890, 532, 1104, 753]. **Computations** [1126]. **Computer** [1203, 1263, 1221, 730, 1009, 1099, 646, 953, 1474, 1621, 3, 1112, 1406, 811, 274, 764, 80, 295, 486, 184, 628, 1026, 724, 817, 156, 958, 430, 401, 54, 1084, 1387, 490, 31, 1195, 359, 860, 71, 116, 1185, 987, 1011, 140, 1238, 553, 232, 1017, 139, 1175, 520, 1289, 35, 198, 988, 989, 1537, 1461, 55, 1870, 1840, 749, 52, 605, 20, 288, 134, 478, 1550, 1194, 765, 391, 1728, 550, 252, 754, 193, 257, 1315, 22, 1465, 143, 348, 1505, 241, 166, 1625, 1530, 753, 1855, 136, 529]. **Computer-Augmented** [520]. **computer-based** [22]. **Computer-Related** [1238]. **computer-supported** [478, 257]. **Computerized** [123]. **computerizing** [1625]. **Computers** [1456, 1681, 1491, 1464, 793, 994, 524, 314, 4, 1101, 489, 197, 159, 291, 1233, 1102, 339, 1169, 482, 315, 538, 1462, 141, 477, 142].

Computing [762, 1055, 980, 897, 1324, 421, 604, 951, 835, 1176, 250, 130, 208, 350, 612, 756, 391, 169, 960, 1717, 1425, 259, 418, 673, 790, 300, 237, 1096, 774, 390, 1016, 492, 606, 239, 758, 65, 192, 159, 249, 291, 406, 554, 590, 467, 623, 675, 794, 862, 915, 987, 1041, 1208, 1326, 1417, 1714, 885, 10, 242, 346, 189, 529, 121, 101, 124, 223, 198, 173, 349, 290, 389, 519, 431, 568, 779, 965, 979, 1205, 592, 1457, 1449, 1374, 1640, 1737, 115, 856, 195, 1808, 128, 722, 595, 1664, 759, 1667, 1922, 258, 1789, 113, 141, 1890]. **computing** [60, 601, 1097, 1649, 521, 643, 640, 1793, 1843, 1460, 632, 1207, 1291]. **Compuvision** [89]. **concept** [655, 726, 462]. **Concepts** [954, 1672, 783]. **Conceptual** [1183, 910, 1321]. **concerns** [1724, 1498]. **Concordia** [1750]. **Concurrency** [792, 186, 560, 562, 53]. **Concurrent** [97, 555, 556, 64, 1140, 1758, 561, 559, 1531]. **conduct** [323]. **Conference** [971, 14]. **confidence** [1837]. **Configuration** [206]. **confining** [1125]. **confirm** [1724, 723]. **Conformance** [967]. **confronting** [513]. **Congress** [827, 1602]. **Congruential** [1178]. **connascence** [371]. **connected** [1930, 1832]. **Connecting** [1702]. **Connection** [1213, 1221, 1217, 1218, 1215, 582, 1216, 787, 1220, 1214, 1222, 1219, 1223, 877, 1648, 1187]. **Connectionist** [117]. **Connections** [1909, 1135]. **connectivity** [544]. **cons** [1139]. **Consensus** [638, 914, 1579, 399]. **Consequences** [960]. **Considerations** [1824, 698, 81, 895, 1628]. **Considered** [1432, 844, 429]. **Consistent** [1721]. **Consortium** [1090]. **Constitution** [1076]. **Constitutional** [150]. **Constraint** [69, 9]. **Constraints** [1180]. **Construction** [287, 1178, 607, 887, 7, 527, 1761]. **Constructivism** [1409]. **consultancy** [1678]. **consulting** [1716, 1678, 577]. **Consumer** [1498, 1781]. **containment** [1125]. **contemporary** [1477]. **Content** [1260, 1500, 1587, 1611, 1583, 1925]. **Content-Based** [1260]. **Contents** [1165]. **contest** [981]. **Context** [1308, 977, 453, 616]. **context-free** [453]. **Contextual** [1337]. **continuum** [1664]. **Contract** [1241, 387]. **Contradiction** [1371]. **contribution** [1799]. **Control** [522, 736, 887, 1140, 1858, 201, 1550, 257, 203, 1889, 125, 202, 200]. **controls** [1146, 1663]. **conundrum** [858, 859]. **conventional** [1835]. **Convergence** [169]. **Converging** [595]. **conversation** [677, 512, 1541]. **conversational** [316]. **conversion** [84]. **COOL** [557]. **cooperating** [254]. **Cooperation** [257, 1205, 254]. **Cooperative** [1803, 617, 454, 505, 502]. **coordinated** [1817]. **coordinating** [473]. **Coordination** [285, 801, 257]. **cop** [1839]. **COPA** [1698]. **Copyright** [1869, 280, 553, 600, 806, 360, 1826]. **Copyrighted** [1075]. **CORBA** [1653, 1652, 1648, 1649, 1650]. **CORBA-based** [1653]. **Corbató** [221]. **Corn** [386]. **Corner** [1947, 1211]. **Corporate** [283, 760, 1453, 1301, 1131, 595, 1500, 1783]. **Correction** [1851, 1831, 320]. **Corrections** [1273]. **Correlating** [1695]. **Correspondence** [719, 311, 792, 538, 791, 566, 776, 347, 430, 54, 534, 777, 325, 621]. **Corrupted** [588]. **Cosmetic** [48]. **Cosmology** [1427]. **Cost** [1331, 743, 848, 916, 1907, 1476, 282, 1560, 1615]. **Cost-Effective** [743]. **Cost-Justifying** [1331]. **costs** [587]. **COTS** [1437]. **Could** [835, 223]. **Council** [41, 391]. **Countdown** [1302, 1788]. **Counting** [1315]. **Countries** [835, 1809, 1814, 544]. **Country** [250, 149]. **Coupling** [262, 335]. **Course** [844, 1873, 858, 859]. **Courses** [1054, 1580]. **cover** [374]. **coverage** [1760]. **Coyote** [478]. **Crackers** [565]. **Craig** [150]. **Crash** [1231, 1484]. **Create** [845]. **Created** [1219]. **Creating** [1497, 841]. **creation** [979, 410].

Creative [573]. **creativity** [688]. **Credibility** [1793]. **Criminological** [730]. **Crisis** [1191, 1311]. **Criteria** [1388, 378]. **Critical** [1385, 59]. **criticism** [1808]. **Critique** [325]. **Critiques** [936]. **critiquing** [309]. **Cross** [50, 1898]. **Cross-Cultural** [50]. **cross-platform** [1898]. **Crossroads** [924, 753]. **crowds** [1719]. **Cruelty** [3, 57]. **Crush** [1231]. **Cryptanalysis** [737]. **Crypto** [580, 706, 1007, 1365, 805]. **cryptograms** [717]. **Cryptography** [718, 388, 1114, 1204, 139, 1414, 1904]. **cryptosystems** [734]. **CS** [1269, 1638, 1673, 1174, 189]. **CSCW** [505, 251]. **CSCW'90** [159]. **CSS** [1901]. **Cuba** [390]. **Cube** [8]. **cues** [883]. **Cul** [1001]. **Cul-de-Sac** [1001]. **Cultural** [50, 1512, 467]. **Culture** [1237, 725]. **cultures** [1940]. **Current** [346, 22, 459, 629, 96]. **Curricula** [189]. **Curriculum** [394, 153, 1174, 490, 189, 1175, 1462]. **custom** [1402, 1497]. **Customer** [837, 838, 576, 1499]. **customer-centered** [576]. **Customer-Developer** [837]. **customers** [841]. **customization** [657]. **Customized** [992]. **Cybercommerce** [1063]. **CyberNetwork** [1166]. **Cybersickness** [1355]. **Cyberspace** [199, 950, 1210, 1419, 951, 1042, 1496, 733]. **CYC** [933, 936, 77]. **Cycle** [206, 98, 1547].

D [1862, 354, 1121]. **DACNOS** [42]. **Dad** [648]. **Dance** [492]. **dark** [1845]. **DARPA** [1738]. **Data** [1179, 326, 1869, 1152, 1153, 1157, 1154, 1156, 1667, 1481, 1423, 280, 600, 1288, 1083, 1308, 1162, 144, 651, 1707, 1082, 1629, 1860, 272, 333, 336, 1632, 1742, 722, 642, 1494, 1482, 857, 205, 1911, 1540, 1314, 125, 368, 1827, 1714, 1483, 374, 1627, 83, 1479, 658, 1480]. **Data-intensive** [1667]. **Database** [228, 817, 335, 1158, 1243, 934, 120, 1165, 231, 229, 1595, 225, 286, 334, 84, 1444, 227, 1553]. **Databases** [1155, 1152, 294, 11, 273, 368, 652]. **Datacycle** [415]. **DATAPLEX** [11]. **Date** [1191, 1311]. **David** [1415]. **Dead** [1696]. **deaf** [320]. **deal** [1594]. **Dealing** [1210]. **Death** [834, 348]. **debacle** [1852]. **Debatable** [25, 34]. **Debate** [1325, 355, 151, 233, 150, 195, 805]. **Debating** [341, 1375]. **Debugging** [1160, 1281, 1283, 1284, 1280, 797, 1393]. **Debunking** [337]. **debut** [983]. **decade** [982, 188]. **Decency** [1093, 1696]. **Decertification** [1831]. **Decimal** [260]. **Decision** [799, 958, 1084, 621, 442, 1552, 41, 1499, 384, 114, 1825, 271]. **decision-making** [1825]. **Decision-Theoretic** [799]. **decisions** [1540, 1759]. **Declarative** [203]. **decode** [717]. **decoding** [43]. **Decrypting** [340]. **deep** [1919, 1086, 1343, 1344]. **Defeated** [1093]. **Defective** [420]. **Defense** [466, 404, 1151]. **Defensive** [1836]. **Define** [1426]. **defining** [1728]. **Definition** [1491]. **Degree** [1175]. **Dehumanizing** [742]. **Delay** [6, 1760]. **Deletion** [347, 155]. **Delivering** [217, 1316]. **Delivery** [1332, 413, 1403, 409, 475]. **Demand** [135, 841]. **Demo** [1089]. **Democracy** [1225, 496]. **democratic** [602]. **Demographics** [1011]. **Demonstration** [436]. **Denial** [735]. **Denning** [151]. **dense** [269]. **dense-map** [269]. **Department** [140]. **Departmentalization** [61]. **depend** [1524]. **dependability** [586]. **Dependable** [443]. **dependence** [357]. **dependencies** [911]. **Deployment** [970]. **Derived** [347]. **Deriving** [911]. **Desert** [432]. **Design** [307, 716, 1702, 498, 747, 1400, 889, 439, 994, 1333, 615, 878, 1330, 992, 775, 90, 1054, 362, 110, 266, 1027, 900, 649, 919, 879, 1337, 578, 1799, 908, 1896, 511, 1837, 286, 1139, 1570, 679, 886, 84, 505, 613, 906, 576, 703, 1143, 691, 193, 1671, 1672, 254, 750, 94, 496, 881, 364, 1495, 546, 1398, 574, 96, 1757]. **Designer** [50]. **Designers** [284, 1377, 514].

Designing [1140, 875, 890, 563, 533, 1322, 254, 1894, 474, 884, 880, 888, 619, 882, 854]. **Designs** [728, 93]. **Desktop** [686]. **desktops** [1466]. **Detecting** [260, 1202]. **detection** [1870, 1840, 1841]. **Determinants** [281]. **Develop** [919]. **Developed** [250]. **Developer** [837]. **developers** [608]. **Developing** [1173, 920, 1809, 1819, 1814, 1397, 544]. **Development** [1090, 1598, 1385, 999, 1389, 970, 156, 837, 714, 579, 1451, 373, 987, 1704, 1630, 1414, 1399, 740, 1459, 1898, 1617, 727, 1403, 361, 801, 178, 459, 1411, 301, 1769, 1820, 572, 1709, 1727, 850, 61, 1529]. **Developments** [328, 1123]. **device** [1844]. **devices** [1857]. **Dexter** [617, 615, 613, 614, 616, 618]. **Dexter-based** [617, 615]. **Dextrous** [1045]. **Dialogue** [31, 110, 1797]. **Dictionary** [935, 272]. **Did** [1001, 1607]. **Dienst** [814]. **Difference** [800]. **Differences** [909, 802, 1903]. **Difficulties** [1171]. **difficulty** [754]. **Diffusion** [1362, 695, 128, 1417, 1645, 1656]. **digit** [46]. **Digital** [1367, 827, 931, 1134, 986, 1059, 1210, 1266, 1325, 1419, 1488, 1907, 1788, 1697, 820, 825, 1215, 160, 807, 1513, 1286, 169, 829, 67, 978, 1874, 196, 808, 1248, 224, 600, 806, 824, 823, 1226, 1768, 830, 1582, 1587, 1328, 818, 1510, 17, 168, 828, 1583, 1667, 1511, 1064, 1507, 1661, 1463, 342, 433, 822]. **DigitalDesk** [531]. **Digits** [260]. **Dimension** [725]. **Dimensioning** [383]. **Dimensions** [1224, 1179, 1228, 1225, 1078, 1231, 1230, 1229, 1226, 1227, 1162, 1613, 532, 650]. **Directed** [32]. **Directing** [1228]. **direction** [391]. **Directions** [1088, 232, 1706]. **directives** [88]. **dirty** [1647]. **disabilities** [315, 314]. **disability** [322]. **Disabled** [1358, 1247, 317]. **Disaster** [60]. **discipline** [55, 1450]. **Discourse** [1527, 754, 472]. **Discovering** [852, 549]. **Discovery** [1152, 1158, 1521, 1918, 1912, 1916, 704, 1919, 1915, 1914, 1782, 1913, 1910]. **discrete** [104, 103]. **Discrimination** [153, 768]. **discuss** [1205]. **Disease** [1350]. **Disinformation** [1149]. **Disorders** [1351]. **displays** [1862]. **dissemination** [1522]. **Distributed** [997, 937, 1640, 1252, 814, 1517, 331, 1540, 1163, 1878, 1423, 1034, 242, 1538, 1140, 558, 1880, 592, 1567, 1443, 11, 1883, 145, 1405, 1924, 20, 1725, 1784, 1865, 354, 1143, 1521, 557, 1512, 564, 1841, 127]. **distributed-memory** [354]. **Distributing** [1032]. **distribution** [1461, 1619]. **disturbance** [201]. **Disturbances** [1356]. **Diversity** [769, 1796]. **divisive** [1808]. **divorce** [1621, 1932]. **Do** [1467, 142]. **DOCASE** [564]. **Doctorates** [135, 1387, 1673]. **Doctrine** [553, 600]. **Document** [1597, 814, 1386, 240]. **Documentation** [191]. **Documents** [1705, 1516]. **DoD** [651]. **Does** [736, 1293, 583, 1680, 1827, 1624]. **Doesn't** [1112]. **dollars** [1611]. **domain** [1402, 1895]. **domain-specific** [1402]. **Domains** [1426]. **Dominance** [1888]. **done** [1804]. **Don't** [1810, 1764, 1533, 266, 1293, 1837]. **double** [1847]. **double-edged** [1847]. **DOWL** [558]. **Downs** [1267, 455]. **Dragging** [1116]. **Drawings** [1101, 383]. **Dream** [1098, 1053, 1082, 170]. **drive** [1636]. **Driving** [1049, 1939, 318]. **Dropouts** [1287]. **DSP** [1557]. **DSS** [1923, 1557]. **Duly** [1850]. **Duplicate** [347, 155]. **during** [1437]. **DVI** [268]. **Dynabase** [623]. **dynabases** [327]. **Dynabook** [291]. **Dynamic** [893, 20, 1300, 1303, 1302, 1538]. **dynamically** [1376]. **dynamics** [608].

e-commerce [1876, 1889, 1753, 1745]. **E-education** [1658]. **E-Guide** [1089, 983]. **Early** [1427, 979]. **Earning** [1831]. **ease** [1798]. **East** [350]. **Easy** [912, 1233]. **EC** [40, 88, 68, 39]. **Ecash** [1064]. **Eckert** [896]. **Economic** [111]. **economics** [1740, 1877, 1609, 1614]. **Economy** [968]. **EDGAR** [1591]. **edge** [1770]. **edged** [1847].

Editing [751, 815]. **Editor** [1198, 160, 57, 353, 520, 1415, 1373]. **Editor-in-Chief** [1415, 1373]. **Editorial** [1486, 1576, 1603, 1676, 1762, 1786, 1806, 1829, 1848, 1867, 1886, 1905, 1926, 952, 10, 172]. **Editors** [32]. **EDR** [936, 935]. **Educating** [417, 605]. **Education** [1237, 1357, 1681, 1215, 1669, 1065, 1352, 708, 1000, 467, 849, 649, 930, 209, 469, 468, 567, 611, 757, 1017, 1058, 1293, 1471, 476, 1464, 543, 1658, 1018, 488, 786, 142, 1605, 1853]. **Educational** [1286, 1372, 1561]. **educators** [1638]. **EDUCOM** [169]. **EER** [16]. **Effective** [153, 743, 1619, 1824]. **effectiveness** [1880]. **Effects** [15, 1184]. **efficiency** [1903]. **Efficient** [43, 1950, 1946, 1125]. **Effort** [827]. **Efforts** [261]. **Eiffel** [94]. **eight** [608]. **Einschrittcompilers** [1949]. **Elections** [1056, 123, 1936]. **Electric** [1213]. **Electron** [331]. **Electronic** [1091, 149, 199, 265, 377, 445, 580, 648, 834, 950, 1173, 1380, 1331, 1329, 1065, 1070, 1589, 874, 1042, 1623, 1472, 1715, 194, 255, 1060, 280, 420, 930, 935, 1679, 1296, 1610, 170, 726, 150, 831, 1467, 1064, 1655, 1590, 1525]. **electronics** [129, 1780]. **Element** [248]. **Elements** [304, 426]. **Elephant** [492]. **Eli** [287]. **eliminate** [1124]. **else** [1638]. **Email** [804, 1266, 1873, 58, 1502, 1845, 872, 956, 955]. **Embed** [891]. **Embedded** [926, 143]. **Embedding** [1705, 1391]. **Emergence** [160, 679]. **emergent** [1864]. **Emerging** [367, 1813, 1072, 623, 1610, 1495]. **emotion** [689]. **Empirical** [1764, 333, 126]. **Employee** [281, 1845]. **employing** [1556]. **Employment** [1387, 1673, 1081]. **empowering** [604]. **enabled** [686]. **Enabling** [690, 654]. **encapsulation** [371]. **Encoding** [1507, 166]. **Encrypted** [144]. **Encryption** [326, 1005, 233, 341]. **encyclopedias** [815]. **End** [864, 612, 865, 869, 1634, 595, 310]. **End-User** [864, 865, 869, 595]. **Ending** [1297]. **enemy** [1935]. **Energetic** [835]. **Enfertainment** [945]. **Enforce** [1076]. **Engine** [1236]. **engineer** [417]. **Engineering** [944, 500, 1128, 1657, 1150, 1430, 1240, 491, 1390, 1303, 27, 651, 1822, 1475, 641, 352, 1621, 383, 302, 175, 1902, 505, 1555, 1614, 18, 395, 870, 1251, 652, 1686, 1422, 853, 650]. **Engineers** [646, 1767, 1933]. **Engines** [835]. **English** [1949, 934]. **Enhance** [1129, 476, 1592]. **Enhanced** [545]. **Enhancements** [1768]. **Enhancing** [1707, 134]. **Enigma** [1371]. **enough** [607]. **Entering** [982]. **Enterprise** [1381, 732, 1725, 1620, 1922, 1483, 374, 1649]. **Enterprises** [991, 1741, 1686]. **Enterprising** [848]. **Entirely** [1873]. **entity** [911]. **entity-relationship** [911]. **Environment** [927, 421, 1425, 920, 331, 332, 168, 1545, 1125]. **Environmental** [523]. **Environments** [1357, 1384, 1199, 885, 187, 1351, 520, 1354, 1707, 333, 1687, 852, 530, 329, 881, 1668, 786, 1543, 854]. **Envision** [817]. **epic** [1852]. **Epilogue** [451]. **EPSS** [1334]. **Equal** [504]. **Equation** [281]. **Equity** [849, 486]. **equivalencies** [84]. **era** [450, 1890, 310]. **Error** [1183, 260]. **Error-based** [1183]. **Error-Detecting** [260]. **Errors** [1202, 382]. **Eschew** [56]. **Escrow** [1005, 1004, 1007]. **Esprit** [1931]. **essential** [1143]. **establishing** [40]. **estimating** [282]. **estimation** [107, 1760, 1560]. **Ethical** [1172, 960, 954, 1084, 1388, 956, 1010, 607, 513]. **Ethics** [953, 1430, 1197, 957, 197, 518, 121, 323, 442, 1795, 1902, 1637, 508]. **Ethnocritical** [907]. **Ethnography** [1337]. **EU** [1518]. **Europe** [1537, 37]. **European** [38, 1572, 36]. **EV** [439]. **EV-4** [439]. **Evaluated** [1061]. **Evaluating** [1263, 974, 1084, 1051, 1651, 1615, 1870, 1840]. **Evaluation** [131, 156, 739, 59, 1201, 308, 866, 345, 886, 22, 379]. **event** [104, 103, 1299]. **Events** [1037]. **Ever**

[1233, 1082, 1559]. **ever-widening** [1559]. **Everything** [1534]. **evidence** [1839]. **Evil** [1389]. **Evolution** [1778, 693, 368, 268]. **Evolutionary** [1915, 636]. **Evolvable** [1777, 1775, 1774]. **evolved** [1780]. **Evolving** [1908, 1330, 1779, 1712, 462, 1543]. **exact** [357]. **Examining** [195, 1479]. **example** [735]. **Examples** [1027]. **exceed** [1827]. **Exception** [278]. **Exclusion** [137]. **Executive** [1294, 1366, 770, 444]. **executives** [1907]. **Expectations** [720]. **Expecting** [181]. **Experience** [394, 684, 1186, 1280, 332, 1142, 573, 1794]. **Experiences** [132, 917, 502, 712, 127, 1404]. **Experiment** [645, 441, 818, 178]. **Experimental** [646, 30]. **Experiments** [1779]. **Expert** [593, 105, 378, 30, 1554, 739, 591, 309]. **exploitation** [860]. **Exploiting** [305, 1875]. **explore** [1874]. **Explorer** [18]. **Exploring** [906, 870, 1860]. **Explosion** [1243]. **export** [1663]. **Exportability** [233]. **Exposure** [1347]. **Express** [1601]. **expression** [1896]. **Extended** [539]. **extendible** [64]. **Extending** [374]. **extension** [1536]. **Extensions** [230, 700]. **extra** [1410]. **Extracting** [1153, 119]. **Extraction** [975]. **Eye** [1109]. **eyes** [618].

FAA [1943]. **Fab** [1260]. **Faces** [1243]. **faceted** [1688, 180]. **facilitate** [1104]. **facilitation** [503]. **Facilities** [1247, 1459]. **Factor** [645, 836, 1565]. **Factories** [649]. **Factoring** [356, 242]. **Factors** [1685]. **Faculty** [1011, 1459]. **fail** [734, 220]. **Failure** [845, 1909, 723]. **failures** [737]. **Fair** [553, 600, 694]. **family** [669]. **famine** [75]. **famous** [1533]. **Farewell** [310]. **Fast** [311, 1, 13, 244, 1178, 1948, 246, 63, 247, 245, 85, 382, 336, 1573]. **father** [55]. **Fault** [1200, 1030, 145, 1143, 1760, 1125, 1761]. **Fault-Tolerant** [1200, 1030, 145, 1143]. **faults** [1125]. **Fax** [58]. **Fear** [1222]. **Feasible** [443]. **Feature** [167, 996]. **Feature-Based** [996]. **features** [1650]. **Federal** [1133, 1601]. **FedEx** [998]. **FedStats** [1514]. **Feel** [44, 455, 360]. **fellows** [1489]. **Fellowship** [761]. **Fernando** [221]. **few** [1117, 100]. **Fewer** [1244]. **FidoNet** [542]. **Field** [1810, 441, 1170, 1776, 478]. **Field-programmable** [1776]. **fields** [255]. **Fifth** [295, 449]. **figures** [1788]. **File** [12, 336, 20]. **files** [749, 620]. **filing** [1621]. **Filling** [1272]. **Filtering** [413, 1259, 1262, 412, 408, 414, 407, 1925, 416]. **filters** [411, 410]. **Final** [448]. **Finals** [981]. **Financial** [1051, 375]. **Finding** [728]. **findings** [1765]. **Fingers** [639]. **Finland** [1731]. **Fire** [707]. **Firewalls** [1307]. **firm** [1789]. **First** [292, 566, 844, 140, 858, 859, 1462, 258, 183]. **first-course** [858, 859]. **first-year** [1462]. **Fisheye** [752]. **fit** [1802]. **Five** [916, 1205]. **Five-Year** [916]. **Flame** [598]. **flexibility** [839]. **Flexible** [287, 1033, 1801]. **Flogging** [1535]. **flowless** [1573]. **Fly** [1016]. **flying** [1930]. **focus** [984, 1800, 1734]. **Fold** [24]. **Followed** [259]. **Following** [1774]. **Folly** [1850]. **Force** [189, 488]. **forces** [1939]. **Forecast** [916]. **Forget** [1810]. **Form** [566, 286]. **form-based** [286]. **Formal** [1705, 1087, 1186, 727, 1447, 178]. **formalisms** [857]. **Former** [568]. **formulas** [384]. **formulation** [370]. **Forsees** [235]. **Fortran** [355, 354, 519]. **Fortress** [37]. **Forum** [1270, 1438, 1374, 1681, 1647, 1581, 1491, 1626, 1474, 1509, 1660, 1831, 1695, 1810, 1850, 1716, 1764, 1928, 1888, 1909, 1733, 1869, 1269, 1870, 1271, 1252, 1253, 1273, 466, 1268, 1249, 1274, 1275, 1272, 1250, 1251, 1248, 518, 1393, 1276, 1136, 25, 602, 404, 388, 278, 34]. **Forums** [1431, 803]. **forward** [1435]. **Fostering** [1283]. **foundation** [465, 175, 256]. **Foundations** [1162]. **founding** [55]. **Four** [645, 358]. **Four-Factor** [645]. **Fourth** [909, 725, 982]. **Framework**

[960, 367, 1051, 1899, 378, 1401, 1404, 1753, 1856, 1670, 1397, 1645, 1398, 1528]. **Frameworks** [1491, 1396, 1400, 1405, 1395, 1403, 1620, 1894]. **Framwork** [1399]. **framworks** [1402]. **Franz** [979]. **Fraternity** [37]. **Fraud** [359]. **Free** [522, 1773, 781, 234, 453, 1698]. **Free-Hand** [522]. **Freedom** [1764]. **FreeNet** [1336]. **Friendly** [707]. **Front** [437, 1731, 328, 1732]. **Frontier** [199, 265, 377, 445, 580, 648, 834, 950, 29, 1220, 874, 1042, 1715, 149, 1623, 1472]. **frontiers** [309]. **Fugue** [1947]. **Full** [1282, 1802, 166, 1519]. **full-motion** [166]. **full-text** [1519]. **Fun** [1099]. **Function** [1106, 1107, 970, 441]. **functional** [211, 911]. **Functions** [1386, 273, 230]. **fund** [1064]. **funding** [256]. **furtive** [1315]. **fusion** [252]. **Future** [1237, 1218, 1241, 1242, 1243, 1234, 1240, 1236, 291, 1233, 849, 1238, 1232, 1204, 1239, 1115, 389, 1235, 1941, 1323, 334, 175, 486, 1698, 391, 489, 786, 1460]. **Fuzzy** [631, 632, 513]. **FY** [66].

gains [1490]. **gambling** [1485]. **Game** [1101, 18, 1042]. **Gammon** [800]. **gap** [1551]. **Garage** [1218, 1734]. **Garbage** [1181]. **Gartner** [1418]. **gate** [1776]. **Gathering** [836]. **GBB** [1302]. **GemStone** [228]. **Gender** [768]. **General** [1056, 196, 621, 1523, 278]. **general-purpose** [1523]. **generalize** [292]. **Generalized** [5]. **Generating** [32, 319]. **Generation** [295, 708, 909, 456, 449, 209, 1017, 229, 187, 225, 1882, 1714, 1759, 1067]. **Generator** [13]. **Generators** [776, 1178, 534, 777]. **generic** [344]. **Genetic** [636, 1180]. **GENOCOP** [1180]. **Genome** [238, 1918]. **Geographic** [270, 1288, 1782]. **Geometric** [1046, 774, 995]. **GeoRoute** [270]. **Gerasch** [146]. **Germany** [772]. **gesture** [318]. **Gestures** [522]. **Gets** [1171]. **getting** [1884]. **Ghosts** [112]. **Gifts** [708, 757]. **Gigabit** [1335]. **gigabyte** [1860]. **Giving** [318]. **glass** [767, 1850]. **Global** [695, 429, 1417, 968, 883, 543, 1656]. **Globalization** [130]. **Globalizing** [1237]. **go** [142, 18]. **Goal** [1850, 1701, 1019, 1082, 1546]. **Goal-Based** [1019]. **Goal-Oriented** [1701]. **goals** [866, 784, 1376, 602]. **Goes** [1040, 1328]. **Going** [829]. **Gold** [1159, 1494]. **gone** [1315]. **Good** [1266, 1732, 607, 1117, 1748]. **goods** [217, 1467]. **Gordon** [744]. **Government** [693, 1661, 1938, 1116]. **Governs** [1342]. **GPS** [1782]. **GPS-based** [1782]. **Grace** [1368, 766, 310]. **gradient** [107]. **Graduate** [761]. **Graham** [1541]. **grand** [640]. **Granting** [1333]. **Graph** [1182, 657, 549]. **graph-based** [657]. **Graphic** [503]. **Graphical** [749, 457, 456, 752, 851]. **Graphics** [1100, 193, 1859, 1855]. **Graphs** [645]. **Great** [265, 290]. **Grid** [1426, 1424]. **grossed** [1862]. **grossed-beam** [1862]. **Group** [1094, 1091, 1035, 1030, 194, 1029, 1034, 725, 1033, 592, 686, 1113, 1418]. **group-enabled** [686]. **GroupLens** [1262]. **Groups** [760, 1734]. **Groupware** [132, 608, 861]. **Growing** [1864, 1206, 1543]. **Grows** [1190, 138]. **Growth** [697, 459]. **guaranteeing** [1683]. **Guard** [648]. **Guard-All** [648]. **Guest** [1198, 160, 353, 520, 948]. **Guide** [494, 339, 1936, 493, 750, 1089, 983]. **guidelines** [1400, 282]. **Gulf** [1490].

h [1000]. **Habanero** [1571]. **Hackers** [1764]. **hacking** [946, 150]. **Hairiest** [1279]. **Haiti** [1820]. **Halpern** [1373]. **Hand** [522]. **Handling** [1202]. **hands** [1853]. **Hanging** [1074]. **Happen** [1230]. **Happenings** [540]. **Hardware** [1778, 1465, 111, 1214, 272, 1777, 1775, 1774]. **Harmful** [844]. **Harmonic** [1185]. **harmony** [88]. **hash** [273]. **Hashing** [244, 246, 247, 245, 64, 63]. **Hassles** [872]. **having** [1907]. **Headed** [239]. **Health**

[1633, 262, 1359, 1361, 1348, 1942, 1346]. **heart** [877]. **heartburn** [1623]. **Hedonic** [596]. **Heeks** [1851]. **held** [1368]. **Helf** [1474]. **Help** [481, 1391]. **helps** [1708]. **heritage** [1512]. **Hermeneutic** [1289]. **Heroes** [1891]. **heterogeneous** [11, 1539]. **Hierarchy** [73]. **High** [1198, 1837, 1031, 169, 1135, 490, 788, 1019, 640, 436, 568, 334, 1124, 1646, 573, 1664]. **High-Assurance** [1198]. **High-confidence** [1837]. **High-Performance** [1135, 436, 568, 573, 1664]. **High-Speed** [169, 788, 1124]. **higher** [1464]. **Highlights** [80]. **highly** [1758]. **Highway** [1022]. **Hill** [540]. **Hindsight** [1581]. **History** [664, 1234, 554, 542]. **hitch** [1491]. **hoax** [1715]. **Holist** [222]. **HoloSketch** [1047]. **Home** [1171, 1169, 1861, 1167]. **HomeNet** [1170]. **honor** [1790]. **honored** [1292]. **Hope** [1222]. **Hopes** [1244]. **Hopper** [1368, 766, 310]. **Horizon** [467]. **Horizons** [932]. **Horse** [863, 1885]. **Horses** [1580]. **Horus** [1033]. **Host** [701]. **house** [1535, 1367]. **HPC** [1663]. **HPCC** [235, 581, 863]. **HTML** [986, 1901]. **Hubris** [1693]. **Human** [1213, 1221, 1217, 1218, 1215, 876, 767, 1216, 156, 836, 1220, 461, 31, 248, 1214, 1343, 1222, 1017, 1219, 1223, 1918, 238]. **Human-Computer** [156, 31, 1017]. **Humane** [1233]. **humans** [1858]. **Hurdles** [1287]. **Hyper** [889]. **hyperdocuments** [893]. **Hyperform** [892]. **HyperIntelligence** [29]. **Hypermedia** [1304, 886, 613, 878, 885, 879, 884, 882, 892, 875, 617, 615, 267, 616, 815, 877, 240]. **hypermedia/time** [240]. **hypermedia/time-based** [240]. **hyperspace** [619]. **Hypertext** [966, 881, 890, 614, 887, 888, 28]. **HyTime** [240].

I-WAY [1424, 1494]. **i750** [165]. **IANA** [1682]. **IBM** [1949, 1629, 1949]. **IBM/360** [1949, 1949]. **ICANN** [1816]. **Ideas** [117, 633]. **Identifiers** [464]. **identifying** [1670]. **Identity** [19, 1340]. **Identity-Related** [1340]. **IEEE-CS** [189]. **If** [1190, 1112]. **II** [1009]. **III** [70]. **ill** [205]. **ill-structured** [205]. **Illinois** [824]. **I'm** [1533]. **Image** [67, 1882, 1356, 1856, 1854]. **images** [751, 167]. **Imaging** [1051, 331]. **Immediacy** [1280]. **Immersive** [1423]. **immunology** [1406]. **Impact** [1242, 294, 1268, 133, 1680, 1483]. **Impacts** [206]. **impairments** [319]. **Implementation** [1179, 1949, 92, 1129, 22, 1937, 1757, 1949]. **Implementations** [13]. **Implementing** [1883, 990, 534, 1174, 180, 1125, 563, 297]. **Implications** [1208, 546]. **Importance** [1388]. **Improve** [1362, 204]. **Improved** [10, 584]. **improvement** [1318, 577]. **Improvements** [788, 1319, 1620]. **Improving** [1810, 31]. **In-Memory** [12]. **Incident** [705]. **Including** [1184]. **incorporating** [727]. **Increasing** [1798]. **incredible** [1408]. **incremental** [9]. **Independent** [745]. **index** [962, 961]. **Indexing** [1271]. **India** [1818, 1662, 492]. **Indian** [49]. **indistinguishable** [1854]. **Individual** [1181]. **induction** [1488, 938]. **Inductive** [939, 1913]. **Industrial** [937, 1381, 932, 1627, 1186, 1777, 625, 1545]. **Industrial-strength** [1627]. **Industry** [924, 1120, 262, 184, 925, 634, 1313, 767]. **industry/academe** [1313]. **inevitably** [1808]. **Inference** [1154]. **Influence** [1083, 182, 869]. **influences** [1148]. **influencing** [1685]. **Info** [778]. **Informal** [1325, 423]. **Informatics** [238]. **Information** [1360, 1013, 1036, 1209, 408, 1059, 1210, 1217, 975, 1564, 1888, 810, 832, 1385, 1050, 524, 413, 1164, 444, 1305, 1080, 991, 119, 985, 1268, 72, 1609, 1243, 237, 270, 954, 976, 1114, 1022, 407, 1073, 957, 816, 959, 1151, 1079, 674, 1077, 1361, 833, 458, 420, 968, 1288, 1081, 1811, 40, 412, 1082, 594,

1443, 131, 1606, 1691, 176, 1617, 36, 798, 414, 1444, 1440, 133, 1588, 1439, 813, 1591, 1494, 1482, 1518, 1264, 22, 1900, 409, 678, 1512, 1847, 1836, 1942, 1526, 1359, 416, 183, 148, 1624, 1675, 1539, 521, 411, 410, 803, 171]. **Information-Filtering** [413, 416]. **informational** [1563]. **informations** [1688]. **informed** [1540]. **Informedia** [820]. **Infowar** [1833]. **Infoware** [1214]. **Infrastructure** [1380, 1575, 933, 1073, 1427, 901, 483, 1559, 1817]. **infrastructures** [1813, 1469]. **Inheritance** [719, 1692, 1410]. **Initial** [259]. **Initiatives** [1522, 1465, 826]. **Innovation** [1232, 253, 1646]. **Innovations** [848, 1235]. **Innovative** [927]. **Inoculating** [1838]. **Input** [317, 319, 1857, 318]. **Inquiry** [1293]. **Inroads** [1066]. **insects** [1254]. **Insecurity** [86]. **Insertion** [146, 2]. **insiders** [1945]. **insights** [313]. **Inspection** [24, 1478, 584]. **Inspections** [1810, 1765, 1805]. **inspired** [1254]. **Insurance** [924, 1094, 1369]. **Intangibles** [1810, 403]. **Integer** [30]. **Integers** [242]. **Integrated** [714, 1879, 577, 1462, 1922, 687]. **Integrating** [1301, 1704, 593, 211]. **Integration** [711, 1899, 216, 1690, 1553, 574]. **integrative** [1322]. **integrator** [295]. **Integrity** [1411, 1549]. **Intel** [1193]. **Intellect** [876]. **Intellectual** [1003, 746, 968, 328, 1732]. **Intelligence** [517, 404, 1196, 349, 1863]. **Intelligent** [1100, 188, 202, 995, 676, 1020, 319, 1672, 1503, 810]. **intensive** [1667]. **intentional** [501]. **Intentions** [281]. **interact** [682]. **Interacting** [531]. **Interaction** [808, 1017, 1306, 1138, 426, 1921]. **Interactions** [457]. **Interactive** [169, 457, 331, 590, 458, 1169, 1374, 1752, 642, 167, 502]. **Interconnection** [23]. **interest** [609, 624]. **interests** [549, 411]. **Interface** [1103, 462, 156, 1233, 266, 319, 683, 215, 158, 1706, 1528]. **Interfaces** [456, 110, 1223, 1639, 1900, 460]. **internal** [2]. **International** [661, 897, 1490, 1662, 951, 835, 1613, 1342, 250, 130, 184, 208, 612, 695, 756, 1164, 1074, 1809, 1363, 401, 300, 1872, 390, 1016, 492, 1245, 432, 568, 913, 981, 1205, 1815, 288]. **Internet** [732, 1146, 1237, 1818, 1068, 1610, 1062, 704, 1409, 1490, 1662, 1066, 1473, 1724, 1815, 1718, 1764, 1909, 1128, 1362, 1611, 1497, 683, 705, 1342, 764, 695, 1065, 1544, 1168, 693, 1591, 545, 1170, 1167, 1680, 1672, 696, 1234, 1135, 1562, 874, 1816, 1813, 1485, 1708, 1364, 1069, 1307, 1874, 1820, 1814, 590, 731, 794, 1417, 1645, 1060, 1656, 1493, 1654, 894, 1293, 1435, 1817, 1498]. **Internetworking** [473, 541, 787]. **Interoperability** [1511, 179]. **interpersonal** [1903]. **interpret** [114]. **Interpretation** [907]. **Interpreting** [237, 171]. **Interspace** [824]. **intervention** [1724, 946]. **Interview** [221, 427]. **Intranet** [1041, 1304]. **Introducing** [562]. **Introduction** [555, 1198, 569, 160, 807, 251, 795, 103, 836, 541, 353, 493, 1278, 456, 90, 932, 758, 922, 449, 45, 1565, 469, 1104, 433, 520, 292, 70, 210, 1510, 662]. **introductions** [1137]. **Intrusion** [1841, 1870, 1840, 1839]. **Intuitive** [1825]. **invaluable** [1559]. **Investigating** [15]. **Investigation** [1079, 480]. **Investment** [933, 1338, 1477]. **investments** [131]. **Invisible** [648, 1098]. **involving** [1691]. **IP** [1067]. **IQ** [876]. **IRIS** [267]. **ISDN** [422]. **isn't** [851]. **ISO** [1002]. **Israel** [661]. **Issue** [555, 1888, 541, 90, 469, 433, 520]. **Issues** [132, 1385, 957, 1166, 1553, 782, 529, 1138, 322, 886, 615, 461, 1348, 513]. **Iterative** [703]. **ither** [1000].

J [55]. **Jack** [377]. **Jaguar** [897]. **Jam** [1869]. **Japan** [284, 944, 635, 377, 599, 548, 39]. **Jasper** [476]. **Java** [1569, 1571, 1468, 1568, 1903, 1565, 1566, 1749]. **Java-based** [1749]. **Jim** [1947]. **Jini** [1843]. **job** [802]. **Jobs** [1215].

Joe [1373]. **Joint** [498, 189]. **José** [221]. **journal** [984, 1373]. **Journals** [1070, 1520]. **JPEG** [162, 161]. **JTEC** [599]. **July** [41]. **junkyard** [1494]. **jurisdiction** [1679]. **Just** [1332, 1119, 1546, 1785]. **Just-in-Time** [1332]. **justice** [1472]. **Justification** [157]. **Justifying** [1331].

K-12 [488]. **K12** [543]. **Kansas** [1284]. **Kasparov** [1086, 1343, 1344]. **Katz** [1040]. **kbit** [164]. **kbit/s** [164]. **KDD** [1153]. **keeps** [1206]. **Key** [1005, 1004, 1286, 1022, 1007, 1365, 1058, 1006]. **Keyboard** [1227]. **keystroke** [19]. **Kicking** [1116]. **Kicking-and-Screaming** [1116]. **kid** [1734]. **Kids** [1024, 849]. **KidSim** [681]. **kits** [527]. **Kiwis** [1016]. **Know** [1112, 266, 1638]. **Knowledge** [78, 1919, 1332, 1269, 1362, 1152, 1153, 599, 526, 1914, 1705, 626, 335, 815, 1158, 933, 1910, 1023, 369, 352, 176, 18, 370, 1913, 1709, 472, 200, 1539, 574]. **Knowledge-Based** [599, 626, 526, 815, 176, 370, 200]. **knowledge-building** [472].

Labelling [1182]. **LabNetwork** [471]. **laboratories** [480]. **Laboratory** [331]. **Landmark** [1093]. **landscape** [1792]. **Language** [940, 1949, 424, 974, 909, 976, 745, 589, 45, 325, 977, 972, 558, 78, 973, 92, 562, 510, 240, 416, 303, 681, 79, 1569]. **Language-Independent** [745]. **Languages** [843, 519, 69, 285, 1542, 49, 379]. **Laptop** [1462, 1457]. **Laptops** [1602]. **Large** [933, 242, 1399, 1443, 273, 620]. **Large-Scale** [933]. **LaSSIE** [176]. **lasts** [577]. **latencies** [19]. **Latest** [1123]. **Latter** [1203]. **Launching** [450]. **Laurence** [819]. **Law** [1255, 1184, 224, 280, 873, 780, 1507]. **Laws** [1850, 637]. **Lawsuits** [44, 360]. **Lax** [723]. **Lead** [1001, 1767]. **leadership** [1772]. **leading** [1205]. **Leaking** [1050]. **Leap** [338]. **Leap-year** [338]. **learn** [1254]. **Learned** [918, 1909, 1898, 1405, 366, 1437]. **Learner** [1028, 1018]. **Learner-Centered** [1028, 1018]. **Learning** [864, 1025, 1026, 1065, 1378, 492, 929, 1027, 900, 477, 800, 485, 938, 828, 684, 1911, 1104, 658, 1463, 122]. **LearningWorks** [1403]. **Learns** [685, 209]. **Lebanon** [1717]. **Lecture** [741, 1052, 724, 426, 1053]. **LEDA** [774]. **Legacy** [1690, 1301, 651, 1755, 1555, 654, 653]. **Legal** [1165, 956, 729, 1475, 946, 1584]. **Legally** [1679, 114, 76, 224, 183, 148, 280, 553, 420, 455, 600, 746, 694, 806, 873, 968, 1165, 1075, 1297, 1624, 1871, 1696]. **Legion** [1194]. **legitimacy** [1551]. **LEGOs** [1888]. **lemma** [453]. **Length** [244, 246, 247, 245, 2, 63]. **Less** [250]. **Less-Developed** [250]. **Lessons** [918, 1909, 1598, 1405, 1591, 366, 1437, 94, 1298, 1769, 723, 1336, 1820, 670, 1344, 672]. **Letter** [56, 948, 87, 234, 386, 913, 965, 466, 137, 779]. **Letters** [57, 326]. **Level** [1079, 604, 179]. **leverage** [216]. **Lexical** [934]. **Lexicons** [973]. **Liability** [1850, 420, 1369]. **Liberal** [1175]. **Librarie** [1525]. **Libraries** [792, 807, 814, 829, 806, 828, 94, 1667, 1511, 1507, 830]. **Library** [1367, 827, 825, 1192, 808, 821, 824, 823, 1768, 1328, 818, 1510, 1521, 1519, 827, 820, 826, 822]. **License** [1474]. **licensed** [1391, 1624]. **Licensing** [1810, 1888, 1933, 736, 1767]. **lies** [1833]. **Life** [1094, 199, 206, 1025, 485, 945, 1401, 98, 348, 1547, 1855]. **Life-long** [485]. **Lifelike** [945]. **Light** [431]. **Likelihood** [107]. **Limiting** [1850]. **Limits** [1888, 1240, 1501, 459]. **line** [984, 1620, 119, 105, 109, 1757]. **Linear** [1180, 155]. **Linguistic** [1057]. **link** [1593]. **linking** [605]. **Links** [236, 837, 419, 1376, 1596]. **LinkWinds** [642]. **Linux** [1850, 1770]. **LISP** [210, 218, 217, 1304, 214, 215, 212]. **LispView** [216]. **List** [763, 1238]. **Lists** [62]. **Lit** [598]. **Literacy** [1113, 1514]. **Literate** [1951, 33]. **Literature** [817, 768].

Litigation [929]. **Little** [835]. **live** [1328]. **living** [1695, 1646]. **Lobby** [1550]. **local** [883, 1819, 1516, 1938]. **location** [521]. **locking** [1144, 1844]. **Loebner** [672]. **Log** [708, 849, 649, 930, 209, 142, 468, 567, 611, 757, 1017, 1058, 1293, 1605, 1853, 749]. **Logic** [1325, 939, 295, 294, 1231, 293, 797, 69, 1913, 296, 632]. **logical** [517, 1573]. **LogP** [1161]. **Long** [697, 868, 1471, 389, 1679, 485, 1578]. **long-arm** [1679]. **Long-Term** [697, 868, 389, 1578]. **longer** [1455]. **Look** [1145, 829, 44, 455, 1235, 495, 360]. **Looking** [516, 1233, 1545, 851]. **looks** [982]. **loop** [1819]. **Loops** [356]. **Losses** [375]. **Lost** [1341]. **lot** [1771]. **Lotus** [1392, 114]. **Low** [1560, 604]. **Low-cost** [1560]. **low-level** [604]. **lower** [1467]. **LPWA** [1721]. **ly** [429]. **Lycos** [1742].

M [687]. **MAC** [113, 1103]. **Machine** [425, 1187, 402, 1911, 938, 463, 49, 122, 582]. **Machines** [380, 1107, 284, 154, 354]. **Made** [1255, 1542, 174]. **Madefast** [1128]. **magnetic** [1314]. **Maiden** [931]. **Mail** [545, 170]. **Mainframe** [926, 1636]. **Mainstream** [1339, 1623]. **mainstreaming** [1420]. **Maintaining** [1646, 234]. **Maintenance** [920, 587, 307, 1461, 61]. **Majors** [1764]. **make** [1546]. **makes** [770]. **Making** [1228, 747, 1025, 818, 134, 576, 904, 1084, 861, 1859, 905, 442, 523, 1825, 1471, 662]. **malcontents** [1562]. **Management** [398, 206, 228, 569, 1379, 787, 846, 1365, 1386, 229, 306, 1783, 1597, 272, 1740, 283, 1633, 570, 571, 1322, 1572, 95, 1877, 1653, 722, 1439, 1639, 1900, 282, 847, 666, 803, 1480]. **Manager** [72, 205, 215]. **Managerial** [1628]. **Managing** [866, 1444, 367, 955, 1783, 1548]. **Manufacture** [994]. **Manufacturing** [991, 996, 995, 989, 990, 109, 988]. **Many** [1524, 650]. **map** [269]. **Mapping** [237]. **Market** [591, 1083, 40, 38, 88, 1264, 141]. **Marketing** [1494, 1493, 1495, 1874, 1498]. **marketplaces** [1610, 1467]. **Markets** [1065, 1130, 133]. **Marriage** [1390]. **MARS** [186]. **Marvin** [677]. **mass** [1497, 17]. **mass-production** [1497]. **Massively** [641, 242]. **Master** [136]. **Match** [1343]. **Matching** [1950, 1946, 1948]. **math** [476]. **mathematical** [906, 370]. **mathematics** [1110]. **MathWorlds** [1110]. **matter** [1785]. **Maturity** [1317, 1447]. **Maurice** [466]. **May** [1115]. **Mayday** [181]. **maze** [597]. **MBONE** [699]. **McLuhan** [862]. **me** [1533]. **Mead** [1412]. **mean** [1680]. **Means** [1119, 371, 1410]. **Measurement** [1108, 441, 306]. **measures** [772]. **Measuring** [51, 644, 1388, 585]. **Mechanisms** [1202, 92]. **Media** [421, 1218, 422, 1336, 709, 224, 1440, 703, 1623, 1583, 1500, 1104]. **MediaView** [196]. **Medical** [1383, 129, 786]. **Medicine** [1362, 1349]. **medium** [603]. **MeDoc** [1520]. **Meeks** [1375]. **meet** [1294]. **Meeting** [194]. **meetings** [726]. **Meets** [1353, 945, 862, 1366]. **megaprogramming** [400]. **melding** [797]. **Melissa** [1812]. **Member** [1418, 1206]. **membership** [322]. **Memoing** [296]. **Memory** [12, 352, 744, 354, 871, 656, 1125]. **memory-based** [656]. **men** [1637]. **Mentoring** [771, 770]. **Message** [1812, 1085]. **Messages** [1263]. **messyware** [1920]. **Metacomputing** [330]. **Metal** [213]. **Metalevel** [1596]. **Metamanagement** [1491]. **Metaphor** [1228, 754]. **metaphorical** [750]. **Metasystems** [1666]. **Method** [1183, 356, 561, 577, 46]. **methodic** [564]. **methodical** [509]. **methodologies** [658]. **Methodology** [1160, 1429, 335, 156, 878, 667, 308]. **Methods** [413, 1087, 740, 641, 739]. **Mexico** [1413]. **MG** [809]. **Michigan** [825]. **Microcomputer** [111, 47]. **Microkernels** [1127]. **Microprocessor** [1236, 665, 666]. **microprocessors** [1501]. **Microscopy** [331].

Microsoft [1320, 1542]. **Middle** [350]. **middleman** [1920]. **Middleware** [997]. **Midnight** [138]. **might** [682]. **migration** [20, 1652]. **Military** [1268]. **million** [1852]. **Milner** [427]. **MIMD** [354]. **Mind** [14, 1109]. **Mine** [1159, 1494]. **Minimal** [13, 155, 273, 2]. **Mining** [1155, 1152, 1157, 1154, 1156, 1917, 1911]. **Minsky** [677]. **MIPS** [352]. **MIS** [171, 1431, 281, 870]. **Misappropriation** [929]. **Misleading** [1831]. **Missing** [1276]. **mission** [1880, 1883, 125, 1878]. **Misuse** [1340]. **Mixed** [207]. **MMX** [1947, 1193]. **Mobile** [722, 1199, 1748, 521, 1749]. **Mobility** [701]. **Model** [997, 1161, 1317, 281, 490, 861, 1428, 879, 1175, 1692, 1447, 1542, 613, 614, 616, 370, 395, 1495, 911, 82]. **Modeling** [1569, 333, 1897, 1046, 1703, 1700, 515, 411, 306, 369, 365, 857, 361, 366, 368, 1690, 1321, 667, 374]. **Models** [16, 206, 1705, 1028, 1779, 1069, 1704, 1288, 713, 1539]. **Modern** [1542, 1599, 110, 1301]. **modular** [668]. **modularity** [186]. **Molecular** [237]. **momentum** [316]. **Money** [1064, 1471]. **monitors** [118]. **Monumental** [238]. **Morocco** [1473]. **Mosaic** [1643]. **Motion** [1108, 1109, 166]. **Motives** [1287]. **motor** [319]. **Motorola** [669, 668]. **move** [1636]. **Movement** [1351]. **moves** [1207]. **Moving** [1815]. **MPEG** [163]. **MPP** [1001, 1085]. **much** [1117]. **Muenster** [1949]. **multeda** [1397]. **Multiagent** [1738, 1742, 1735, 1739]. **Multicast** [7, 1030, 700, 699]. **multidisciplinary** [1876]. **Multifarious** [6]. **Multilevel** [177]. **multilingual** [1518, 1516]. **Multimedia** [1113, 421, 170, 971, 160, 1286, 165, 787, 1193, 196, 1020, 253, 1444, 163, 409, 1708, 477]. **Multimodal** [1879, 1921]. **multiparty** [1544]. **Multiple** [162, 1111, 1548]. **Multiplicative** [1178]. **Multiprocessor** [436, 81, 1125]. **multiprocessors** [8, 1125]. **Multipurpose** [1901]. **multiset** [428]. **multithreaded** [1651]. **Munro** [1375]. **Münster** [1949]. **Murray** [1368]. **Museum** [1382]. **Museums** [1071]. **music** [157]. **Musical** [1185]. **Mutual** [137, 1758]. **My** [872, 730, 1172, 1279, 1238]. **Mysteries** [112]. **Myth** [1831, 1255, 463]. **myths** [337, 1674, 1921, 1805].

N [1375]. **Name** [1660, 277, 269]. **Names** [464, 1608]. **naming** [510]. **Napkins** [1101]. **Nation** [235, 1445]. **National** [14, 233, 1818, 602, 391, 1151, 1336, 256, 1424]. **Nationwide** [1425, 1523]. **Natural** [940, 974, 976, 416, 79, 972, 78, 973]. **Nature** [724, 767]. **Navigating** [619, 28, 1663]. **Navigation** [1261]. **Necessary** [1389]. **need** [1436, 1871, 1834]. **Needed** [1491, 1376]. **Needs** [1357, 865, 1561, 1687, 1773]. **Negative** [1327]. **neglected** [895]. **negotiate** [1377]. **negotiation** [1547, 1747]. **Neidorf** [150]. **Neil** [1375]. **nerve** [219]. **NEST** [106]. **Net** [406, 915, 1508, 1835, 1929, 1735, 1930, 1228, 862]. **Net.Speech** [915]. **Netizen** [1936]. **Netizens** [1093]. **Netscape** [1898]. **Network** [106, 6, 544, 1082, 698, 1877, 1653, 1739, 1639, 784, 320, 543, 1942, 546, 1843]. **network-centric** [1843]. **Networked** [1737, 235, 329, 1675]. **Networking** [1335, 1124, 1878]. **Networks** [795, 1378, 169, 1259, 788, 987, 1133, 1083, 634, 58, 635, 1821, 1515, 789, 1914, 798, 288, 1550, 128, 796, 550, 7, 475, 633, 1712, 786, 603, 785, 782, 632]. **Neural** [635, 634, 1914, 633, 632]. **Never** [1297]. **Never-Ending** [1297]. **New-Generation** [187]. **Newell** [1412, 405]. **News** [1039, 1092, 1370, 1416, 1434, 1452, 1470, 1487, 1506, 1532, 1558, 1577, 1604, 1622, 1642, 1659, 1677, 1694, 1713, 1730, 1763, 1787, 1807, 1830, 1849, 1868, 1887, 1906, 1927, 169, 119, 1262, 1732]. **Newspapers** [169, 1874]. **Newstrack** [964]. **Next** [1291, 29, 225, 1191, 1067, 456, 1208, 1238, 1232, 1230, 1017, 229, 1212, 1043, 1714].

Next-Generation [229, 225]. **NeXTstep** [162]. **Niche** [1272]. **Nicol** [1415]. **NII** [746, 692, 624]. **NIIIP** [1014]. **Nine** [282]. **Nintendo** [209]. **NIST** [342, 343]. **No** [1343, 1472, 1455, 1471]. **Nobody** [191]. **Nomadic** [885]. **non** [1815]. **non-U.S.-centric** [1815]. **Noncollaborative** [1285]. **Noncommand** [460]. **nonspeakers** [317]. **Normal** [566]. **North** [71, 241, 951]. **Not-So-Accidental** [222]. **Note** [244, 246, 247, 245]. **Notebook** [1021]. **Noted** [1850]. **Notes** [311, 297, 192, 289, 1392]. **Notion** [719]. **NSF** [810, 1518, 1135, 1422]. **NSF-EU** [1518]. **NSFNET** [697]. **NT** [1041]. **Number** [13, 776, 1178, 534, 777, 1759]. **Numbers** [66, 1831, 928, 108]. **Numerical** [1180].

O [445]. **Obfuscation** [56]. **Obituary** [898, 122]. **Object** [555, 719, 710, 228, 372, 917, 999, 1395, 941, 335, 711, 91, 73, 920, 90, 714, 362, 1701, 921, 916, 120, 1027, 1704, 363, 919, 879, 519, 558, 97, 1148, 716, 1567, 563, 561, 1571, 556, 1640, 211, 1542, 1865, 98, 1300, 657, 559, 364, 1690, 713, 1619, 1651, 658, 96]. **Object-Oriented** [555, 719, 710, 372, 917, 999, 941, 335, 711, 91, 920, 90, 714, 362, 1701, 921, 120, 1027, 919, 879, 519, 1395, 558, 97, 1148, 716, 563, 561, 556, 211, 1865, 98, 657, 559, 364, 1619, 96]. **object-sharing** [1571]. **Objectively** [1509, 1432, 1389, 1784, 1865, 1620, 1484]. **Objects** [1256, 522, 1200, 1303, 539, 1302, 230, 1448, 396]. **ObjectStore** [227]. **Observations** [1001, 1265, 1681]. **obstacles** [1614]. **oceanography** [550]. **ODA** [1070]. **odyssey** [1893]. **offer** [1573]. **Offers** [1094, 1286]. **office** [530]. **offices** [895]. **offs** [1560]. **often** [1789]. **old** [1534, 100, 1605]. **OMA** [1649]. **OMG** [1649]. **On-line** [119, 984, 105, 1757]. **On-ramp** [1082]. **Once** [1375]. **One** [1949, 1392, 1832, 1471, 1435]. **One-Step** [1949]. **Ones** [1191]. **ongoing** [1889]. **Onion** [1720, 1626]. **Online** [812, 1197, 1070, 1071, 1934, 1723, 1443, 818, 1781, 1917]. **Only** [1608]. **onto** [1304]. **Ontological** [1162]. **ontology** [1754]. **Onward** [1324]. **OO** [918, 1491, 1810, 1405, 1924, 1784]. **Open** [1367, 1083, 1923, 252, 618, 168, 1729, 1769]. **open-source** [1729, 1769]. **OpenVMS** [435]. **Operating** [738, 1124, 1126, 389, 1123, 127]. **operations** [64]. **Opinion** [1755, 804, 1324, 1014, 844, 1309, 1364, 1339, 1289, 1692, 1728, 1674, 1711, 1827, 1504, 1804, 1903, 1884]. **Opportunities** [1585, 1614, 1872, 231]. **Opportunity** [406, 930, 504]. **optical** [1821]. **Optimization** [1758, 1180]. **Orchestrating** [570]. **order** [1377]. **Organization** [569, 570, 571, 470, 1392, 1376]. **Organizational** [1095, 597]. **Organizations** [1196, 1691, 1477, 133, 1864]. **organized** [1376]. **Organizing** [1379, 1802, 871]. **orientation** [396]. **Oriented** [555, 719, 710, 372, 917, 999, 941, 335, 711, 91, 920, 90, 714, 362, 1701, 373, 921, 120, 1027, 919, 879, 519, 558, 97, 1148, 716, 511, 563, 561, 556, 1395, 211, 1865, 906, 98, 657, 559, 364, 1619, 96]. **origin** [1771]. **ORION** [998]. **OS/400** [918]. **OSI** [23]. **OSPF** [700]. **Other** [1101, 1169, 1205, 1678]. **Our** [1015, 846, 386, 1323, 533, 876, 1790, 847, 849]. **Outlawing** [1644]. **outreach** [1669]. **outreaches** [1413]. **outsourced** [1727]. **Outsourcing** [1080, 1079, 1081, 1077]. **Overcoming** [459, 1347]. **Overload** [1210, 678]. **Overplanting** [386]. **Overview** [1067, 164, 669, 283, 631, 1649]. **Owns** [950]. **Oz** [1284].

Pacific [984, 897]. **paged** [871]. **pages** [1500, 1861]. **pains** [1543]. **palace** [340]. **palatable** [174]. **palms** [1853]. **Palmtop** [524]. **Panel** [599]. **Paper** [1203, 531, 532]. **Paradigm** [91]. **Paradigms** [1102, 571, 1097]. **paradox** [594, 1612, 1613].

Parallel [1012, 1491, 1161, 334, 380, 104, 356, 1425, 921, 154, 239, 1339, 1201, 1129, 641, 1420, 51, 1144, 166, 643, 82]. **Parkinson** [1350]. **Part** [1025, 610]. **participates** [1414]. **participation** [506]. **Participatory** [839, 512, 603]. **partnerships** [1422]. **party** [1801]. **PASCAL** [1949, 1949]. **PASM** [243]. **passing** [1085]. **Passwords** [659, 647]. **Past** [1234, 291, 489]. **Patching** [1304]. **patent** [337]. **Patented** [76]. **Patents** [1277, 264, 1695, 1646]. **path** [2, 1774]. **Patient** [1363]. **Pattern** [986, 1950, 1946, 1143, 1639, 1948]. **Pattern-Matching** [1950, 1946]. **Patterns** [1145, 372, 695, 919, 1139, 1570, 1142, 1396, 1894, 1540, 1137]. **Paul** [1541]. **Payoff** [861]. **payoffs** [1726]. **PC** [26, 1890]. **PCs** [1193, 1789, 1115, 1869]. **PD** [497, 498, 495, 509, 499, 507, 493, 504, 494, 512]. **peace** [1472]. **peeling** [1626]. **People** [421, 778, 319, 314, 682]. **Perceptions** [955]. **Percheron** [863]. **Perfect** [715, 273]. **Performance** [1331, 1333, 1135, 788, 1338, 1083, 436, 568, 334, 1329, 573, 802, 1664, 51, 64, 1484, 644, 667, 358, 640]. **Performance-Centered** [1333]. **Perils** [1063]. **Perlis** [55]. **Perplexed** [339]. **Persian** [1490]. **Persistant** [1126]. **Personal** [72, 959, 1789, 65, 113, 192, 141, 159, 249, 291, 406, 554, 590, 467, 623, 675, 794, 862, 915, 987, 1041, 1208, 1326, 1417, 1714, 1890, 449, 499, 684]. **Personalized** [413, 1261, 409]. **persons** [315]. **Perspective** [1068, 941, 1158, 283, 1322, 1480]. **Perspectives** [661, 897, 951, 835, 1342, 250, 130, 184, 208, 612, 695, 756, 1164, 1074, 300, 390, 1016, 492, 1245, 432, 449, 101, 223, 198, 349, 290, 389, 519, 431, 568, 1490, 1662, 1809, 706, 1872, 1863, 124, 173]. **Persuasive** [1850, 1791, 1795, 1792]. **Pervasive** [1217]. **Petaflops** [1324]. **philosophy** [212]. **PHOAKS** [1258]. **Phobias** [1347]. **Phoenix** [12]. **Physical** [1353, 84, 1349]. **physically** [317, 1859]. **Physician** [1360]. **Physicians** [1496]. **PICS** [1146]. **PICTIVE** [504]. **Picture** [1312, 161]. **Pile** [1115]. **Pioneer** [122]. **Pioneering** [765]. **pipe** [528]. **pipeline** [1408]. **piracy** [1607]. **Pitfalls** [1063]. **Place** [385]. **placement** [269]. **Plagiarism** [1888, 952, 694, 1846]. **Plain** [580]. **Plaintext** [729]. **Plan** [1042, 1457, 831, 1151]. **planning** [572, 60]. **Plans** [1309, 1249, 656]. **Plasma** [921]. **Platform** [774, 1898, 1722]. **platforms** [1640, 1882]. **Plowshares** [661]. **Plus** [1206, 1205, 1418]. **Pointers** [1603, 1676, 1181, 1486, 1576, 1762, 1786, 1806, 1829, 1848, 1867, 1886, 1905, 1926]. **Points** [441]. **poles** [1314]. **policies** [597]. **Policy** [580, 1059, 1228, 236, 1869, 235, 1326, 660, 609, 1296, 602, 182, 1606, 718, 706, 1824, 1826]. **Policy-Making** [1228]. **Political** [288]. **Politicizing** [660]. **Politicking** [1428]. **Politics** [68, 1550, 1131, 908, 1134, 1248]. **Polling** [588]. **Polychannel** [17]. **polygon** [344]. **poor** [1483]. **Popular** [1764]. **Population** [1072]. **Portable** [1178, 291]. **Porting** [435]. **Positions** [1011]. **Possible** [1224, 792, 1053]. **Post** [22, 1890, 1223, 602]. **post-Cold** [602]. **post-PC** [1890]. **Post-WIMP** [1223]. **POSTGRES** [229]. **Power** [1327, 1374, 1736, 666, 1596]. **Powerful** [1909, 1306]. **PowerPC** [669, 665, 664, 663, 667, 668, 666, 662]. **Pracnique** [242]. **Practical** [1475, 1063, 272, 1161, 698, 273, 1150, 1371, 1191, 1267, 1678, 1578, 1852, 1808, 1765, 585, 102, 191, 174, 266, 376, 454, 539, 639, 357, 289, 309]. **Practice** [1150, 1700, 500, 1251, 1685]. **Practices** [494, 10, 1803, 1546, 1572, 1800, 906, 493, 22, 1796, 597]. **Practitioner** [494, 493]. **Praises** [1491]. **precipitous** [1920]. **predict** [1607]. **predictability** [204]. **Predicted** [223]. **Prediction** [316]. **predictive** [5]. **Predictors** [1934]. **preference** [644]. **preferences** [1722]. **prefix** [43]. **preparation** [1875]. **prepare**

[1678]. **preparedness** [1943]. **Preparing** [1334]. **Present** [840, 291, 489]. **presented** [1124]. **President** [1812, 1076, 56, 948, 1891, 1699, 87, 234, 386, 779, 913, 965]. **Presper** [896]. **Press** [1764, 983, 1295]. **Price** [1089, 1274, 1467, 596]. **Pricing** [1364]. **priesthood** [1455]. **primitives** [1144]. **Principles** [533, 943]. **print** [1394]. **printed** [157]. **priorities** [1477]. **Privacy** [545, 1900, 1130, 1341, 959, 720, 1361, 956, 597, 955, 279, 1723, 1724, 1718, 548, 1715, 1722, 312, 546, 547, 1498]. **Private** [199, 789]. **Probabilistic** [62]. **probability** [797]. **Probe** [1106]. **Problem** [1888, 1026, 137, 1488, 655, 510, 74, 204]. **problem-solving** [204]. **Problems** [695, 1180, 704, 641, 1546, 298, 1899, 338, 1605, 513]. **Procedure** [843, 21, 53]. **procedures** [1376]. **Proceedings** [971]. **Process** [998, 365, 1432, 1389, 1153, 577, 848, 1799, 592, 1567, 1741, 366, 1484, 881, 301, 572, 303, 658]. **Processes** [775, 714, 1546, 1548, 1686]. **Processing** [940, 974, 976, 972, 78, 118, 1124, 336, 973, 1714, 1543]. **Processor** [165, 51, 124]. **product** [500, 1802, 1480]. **production** [1497]. **Productivity** [909, 1148, 594, 1612, 1613, 134, 830]. **productivity-enhancing** [134]. **products** [345, 1617, 686, 841, 1117, 308]. **Profess** [1010]. **profession** [1323]. **Professional** [723, 234, 323, 1369]. **Professionals** [147, 1551]. **Professor** [1040]. **Profiling** [136, 1574]. **profit** [1773]. **Program** [1094, 655, 1101, 1135, 76, 567, 1418, 1723]. **programmability** [186]. **programmable** [1776, 1503]. **Programmer** [1150, 1371, 1191, 1267, 102, 191, 266, 376, 454, 539, 639, 1678, 1578, 1852, 1808, 1765, 174, 173]. **programmers** [852, 1436, 81]. **Programmiersprache** [1949]. **Programming** [555, 719, 428, 1012, 939, 843, 1810, 1949, 1282, 294, 1951, 293, 1668, 325, 33, 1450, 97, 218, 981, 561, 69, 556, 30, 852, 1924, 295, 893, 211, 1542, 1784, 1865, 557, 657, 298, 1144, 559, 1913, 564, 1504, 851, 656, 1531, 681, 854]. **Programs** [1055, 761, 1176, 771, 259, 418, 673, 790, 77, 553, 1573, 1555, 93, 296, 136]. **Progress** [1614, 406, 1545, 650]. **Project** [398, 569, 1909, 825, 1070, 824, 885, 433, 1631, 570, 571, 1687, 1772, 295, 1908, 1591, 479, 572, 1918, 1751, 1931, 822, 918, 1188, 998, 238, 185, 821, 449]. **Project-based** [1631]. **project-specific** [1687]. **projections** [313]. **Projects** [1334, 1385, 1309, 1207, 495, 1647, 1578, 505, 1670, 1524, 826, 1727, 1574]. **Prolog** [70, 297]. **Prologue** [4]. **Promise** [916]. **promotes** [1514]. **Proof** [1182]. **Property** [950, 1003, 947, 746, 968, 148, 328, 1732]. **proposal** [1923, 343]. **Proposed** [1269, 342]. **proprietary** [1611]. **pros** [1139]. **prospects** [1082]. **Protect** [1075]. **Protected** [738]. **Protecting** [548, 1559, 1583, 1469, 312]. **Protection** [1165, 547]. **protest** [1414]. **Protocol** [701, 1923, 737]. **protocols** [783]. **Prototypes** [1118, 500]. **Prototyping** [106, 992, 639, 892, 506, 502]. **prover** [178]. **provide** [1369, 1436]. **providers** [1611, 183]. **Providing** [1183, 701]. **Pseudo** [777]. **Pseudo-Random** [777]. **Psychometrics** [1355]. **Public** [1591, 624, 609, 1606, 1519]. **Publication** [196, 1209]. **publications** [984, 1296]. **Publishable** [1203]. **published** [1291, 1295]. **Publishing** [1088, 1069, 794, 1697, 150, 831, 1901, 1525]. **pumping** [453]. **purchase** [1461]. **purpose** [1523]. **Putting** [162, 1924, 253, 158]. **puzzle** [340].

Qaulity [970]. **Quagmire** [1159]. **Quality** [1481, 1308, 1162, 1319, 1707, 1316, 585, 1317, 1318, 1482, 1483, 1615, 1479, 1480]. **Quandary** [956]. **Quantum** [1319]. **Query** [1183]. **Quest** [1468]. **question** [1438]. **Questioned** [581]. **Questioning** [1474, 1269]. **Questions** [907, 692, 855].

Queueing [1184]. **Quick** [142]. **Quo** [1775].

R [1121]. **R&D** [66, 1121, 1523]. **R-D** [1121]. **Race** [802, 1885]. **Racks** [376]. **RADARSAT** [1302]. **RADARSAT-1** [1302]. **railroad** [395]. **Rails** [537]. **ramp** [1082]. **Rampart** [1032]. **Random** [13, 776, 1178, 108, 534, 777]. **Randomized** [1950, 1946]. **Randomness** [536, 535]. **range** [1802]. **Rapid** [994, 992, 892]. **Rate** [1094]. **ratings** [1131]. **ratio** [107]. **Re** [840, 1555]. **Re-engineering** [1555]. **Re-Present** [840]. **Reaches** [924, 1090]. **Reactive** [1384]. **reactor** [643]. **Read** [1229]. **Readers** [1509, 278]. **readership** [851]. **readiness** [1944]. **Reading** [1247, 468]. **Reads** [1429, 191]. **Ready** [1339, 1943, 1944]. **Real** [1256, 218, 201, 795, 1200, 1127, 125, 200, 520, 1858, 1860, 1139, 177, 523, 1568, 202, 1878, 1895, 1884, 1377]. **Real-Time** [1200, 218, 201, 125, 200, 1858, 1568, 202, 1878, 1895]. **Real-World** [795]. **Realistic** [380, 1856, 304]. **realities** [1726]. **Reality** [1049, 1569, 1048, 1046, 1364, 1350, 1383, 525, 170, 526, 1944, 532, 1878, 1854, 1044, 1377]. **Realizing** [1862]. **Really** [3, 1942, 1624]. **Reasoning** [995, 627, 1573]. **reasons** [1748]. **Reassessing** [805]. **Rebuttal** [152]. **Receipts** [1061]. **receives** [1412]. **Rechenanlage** [1949]. **recodable** [1844]. **recognition** [1540, 79]. **recognizing** [656]. **Recommendation** [1260]. **Recommendations** [1258]. **Recommender** [1263, 1257]. **Reconsider** [741]. **Reconsidered** [566, 518]. **Records** [1363]. **Recoverable** [1126]. **Recovery** [1199, 1006, 1842, 60]. **Recruiting** [769]. **Redress** [1681]. **Reduce** [1087, 678]. **Reducing** [204, 1759]. **reduction** [1575]. **reengineer** [654]. **Reengineering** [998, 1928, 1478, 1051, 1823, 1574]. **refereed** [1296]. **reference** [614]. **Referral** [1259]. **Reflections** [87, 74]. **Reflects** [1002, 1449]. **Reform** [1286, 568, 473]. **Reforming** [780]. **Regarding** [1850]. **region** [984]. **regions** [1819]. **registry** [1252]. **Regressing** [1545]. **Regulation** [1075, 1816]. **regulations** [1871, 1435]. **Regulatory** [959]. **Rehabilitation** [1349, 1352, 992]. **Rehabilitative** [1351]. **Reinventing** [1429]. **Rejoinder** [278]. **Rekindled** [355]. **Related** [1038, 1340, 1238]. **Relational** [16, 120, 652]. **Relationship** [1150, 911]. **Relationships** [1122, 1099]. **Relative** [1160]. **Reliability** [441, 126]. **reliable** [592]. **relying** [1904]. **Remain** [743]. **Remark** [791]. **Remarks** [326, 534]. **remedies** [1578]. **Remedy** [1433]. **remember** [1682, 1299]. **remembers** [979]. **Remote** [522]. **Rendezvous** [424]. **Renewing** [609]. **replaces** [893]. **Replacing** [1797]. **Report** [599, 812, 1014, 275, 237, 746, 232, 189, 99, 573]. **Reports** [811, 812]. **repositories** [1443]. **Representation** [747, 1185]. **Representations** [16, 904, 899, 748]. **representing** [908]. **Republic** [1474]. **Request** [1136, 1651]. **requests** [1527]. **Require** [736]. **Requirements** [1335, 836, 1684, 24, 1426, 1701, 658, 651, 525, 1437, 1685]. **requires** [1377]. **Research** [533, 1241, 1172, 1176, 391, 1243, 996, 362, 1000, 159, 649, 27, 263, 894, 581, 721, 1414, 1710, 704, 283, 1117, 870, 96]. **Residential** [1170]. **Resource** [763, 704, 1782]. **Resources** [764, 771, 856, 1521]. **Response** [1491, 705, 1253, 1275, 536, 232, 671]. **Responses** [936, 343]. **Responsibility** [1015, 207]. **Responsive** [530, 1354]. **Restricted** [670]. **restrictions** [1414]. **results** [585]. **Resuscitation** [208]. **Retire** [355]. **Retrieval** [1305, 976, 408, 809, 1443, 818, 798, 1526, 620, 1519, 810]. **Retrieving** [1441]. **Retrospect** [1226]. **Retrospective** [1188, 42, 495, 1557]. **Return** [986]. **Returns** [550]. **Reusable** [919, 1881, 1405, 560, 305]. **Reuse** [1246, 1148, 855, 1804, 180]. **Reverse**

[650, 728, 651, 1475, 652]. **Review** [768, 346]. **Reviewing** [963]. **Revised** [1175, 1826]. **revision** [1871]. **Revisited** [1491, 291]. **Revisiting** [1313, 198]. **Revolution** [1236, 1226]. **rhinos** [1315]. **Rhythms** [903]. **Rich** [808, 1743]. **Richard** [1851]. **riddle** [1488]. **Right** [1229]. **Righteous** [1764]. **Rights** [1326, 968, 150, 1683, 183, 445]. **Rim** [897]. **Ring** [6]. **Rise** [922, 1920, 124]. **Risk** [190, 1944, 1575]. **RISKS** [299, 872, 190, 845, 1015, 1265, 793, 598, 832, 1621, 610, 622, 1290, 928, 1433, 947, 1114, 1073, 402, 588, 123, 277, 565, 429, 452, 551, 579, 647, 674, 637, 912, 963, 1149, 1163, 1057, 1038, 1177, 1087, 978, 1312, 1365, 1244, 1340, 1411, 1451, 1658, 1390, 1675, 1204, 778, 894, 1132, 1756, 129, 1670, 1693, 1505, 1485, 1602, 1641, 1847, 1729, 1828, 1925, 1945, 1805, 1712, 1904, 1885, 1866, 1785, 190, 1265, 610, 129, 402, 112, 123, 74, 222, 138, 147, 197, 261, 181, 248, 158, 375, 419, 359, 299, 385, 443, 515, 429]. **RISKS** [491, 537, 659, 720, 707, 755, 647, 674, 464, 207, 312, 692, 233, 729, 171, 1904]. **RMM** [878]. **Roadblocks** [1711]. **Robin** [427]. **robot** [1556]. **robotic** [202]. **Robotics** [993, 1254, 630, 1822]. **Robust** [1729]. **Role** [693, 1114, 491, 987, 1133, 638, 1610, 689, 1515, 973, 1709, 1727, 1525]. **roles** [828]. **ROM** [816, 1089]. **Romania** [208]. **room** [1264]. **Rosenberg** [819]. **rot** [1756]. **Rough** [756, 942, 1674, 1916]. **roulette** [1756]. **routing** [1720, 1782, 700]. **Rubble** [208]. **Rule** [1831, 269, 938]. **rule-based** [269]. **rules** [230]. **runaway** [1647, 1578].

s [1309, 164]. **Sac** [1001]. **sacred** [1790]. **Safe** [792, 12]. **Safety** [622, 947, 143, 59, 643, 1348]. **safety-critical** [59]. **Sahara** [951]. **Saharan** [432]. **Salaries** [1387, 1673]. **same** [408]. **Sampling** [1857]. **Samuel** [122]. **Sandbox** [1458]. **Save** [1042]. **Saving** [846, 1790, 847]. **Say** [950]. **Scaffolded** [1027]. **Scalability** [154, 1652]. **Scalable** [704, 582, 521]. **Scale** [933]. **Scales** [1111]. **Scaling** [27]. **Scenario** [985, 1019]. **Scenarios** [1703]. **scene** [1832]. **Scheduling** [356, 105]. **Schemas** [910]. **Scheme** [326]. **Schemes** [787, 1758]. **scholarly** [1525]. **Scholars** [1431, 803]. **School** [274, 490, 475, 849, 1019, 339, 52, 906]. **schooling** [470]. **Schools** [846, 483, 482, 489, 847, 474]. **Science** [1237, 1203, 236, 1474, 1241, 3, 136, 1242, 1379, 811, 764, 238, 724, 817, 1111, 430, 1243, 1234, 1240, 1387, 490, 1236, 1011, 1233, 140, 1238, 256, 1232, 232, 1239, 139, 753, 1175, 660, 1289, 634, 989, 1235, 1822, 641, 602, 55, 1621, 765, 391, 1728, 550, 1422, 1625, 1530, 1853, 1912, 988, 602, 529]. **sciences** [1463]. **Scientific** [1160, 1048, 1157, 1913, 1115, 234, 1737, 1522, 642, 480, 83]. **Scientist** [1009, 116]. **Scientists** [646, 605]. **SCISOR** [119]. **Scope** [1330, 232, 391]. **Score** [1185]. **Screaming** [1116]. **scrutiny** [1454]. **Sea** [804]. **seal** [1723]. **seamless** [703]. **Search** [311, 85, 2, 1440, 1549]. **searches** [1528]. **Searching** [1, 381, 1517, 1528, 382]. **second** [258, 80]. **secondary** [482]. **Secret** [929]. **secrets** [1647]. **Section** [569, 353, 45, 1479]. **Sectors** [184]. **Secure** [785, 521]. **Securing** [1062, 733, 1114, 1073]. **Security** [1290, 1008, 928, 720, 1307, 1204, 35, 198, 1837, 86, 1556, 1654, 1209]. **Seducing** [1634]. **seductive** [1794]. **Seed** [386]. **Seeding** [1133]. **Seeing** [611, 851]. **Selecting** [1144]. **Selection** [378]. **Self** [1474, 791, 53, 694, 1543, 302, 1391, 843, 21, 121]. **Self-adaptive** [1543]. **Self-assessment** [53, 302, 843, 21, 121]. **Self-Helf** [1474]. **self-help** [1391]. **Self-Plagiarism** [694]. **Self-Stabilizing** [791]. **sell** [1746]. **Semantic** [1526, 1539]. **Semantics** [910]. **SEMATECH** [1404]. **semi** [1556]. **semi-autonomous** [1556]. **semiconductor** [38, 440, 109]. **Sense** [77, 1630]. **Sensors** [1232, 1540]. **separate** [55]. **September** [1368]. **sequential** [562, 1760]. **Serial** [1129]. **Series** [1113, 476, 1540]. **Server**

[1041, 346, 1546]. **Service** [1255, 1611, 735, 812]. **Services** [1091, 997, 1170, 892, 40, 990, 1436, 267]. **set** [1674, 1761, 1916]. **sets** [1860, 167, 297, 942]. **settings** [906]. **Settlement** [1061]. **Seven** [1748, 1309]. **Seventh** [274]. **severe** [319]. **severely** [317]. **shaping** [1606]. **Share** [1754]. **Shared** [1772, 1284, 990, 252, 1125, 549]. **shared-memory** [1125]. **Sharing** [991, 745, 1095, 589, 709, 638, 914, 781, 1002, 967, 1372, 1246, 1453, 1579, 1766, 83, 1258, 1571, 1143, 574]. **Shells** [378]. **Shield** [648]. **Shift** [1096]. **shoot** [1533]. **shopping** [1589]. **Short** [172, 1578, 717]. **Short-term** [1578]. **shortcut** [1453]. **Should** [76, 567, 1638, 1789, 396, 1594]. **shrinking** [1408]. **side** [969, 1845]. **Sides** [1325, 408]. **sieve** [289]. **SIG** [159]. **SIGCHI** [1090, 14]. **SIGGRAPH** [487, 26]. **SIGKids** [487]. **signal** [1543]. **Signals** [207]. **Signature** [342, 1758]. **Signatures** [729]. **significance** [285]. **SIGPLAN** [982]. **Silicon** [1501]. **SIM_Agent** [1743]. **SimCalc** [1110]. **Simple** [73, 65, 1542]. **Simulation** [1049, 106, 108, 109, 515, 921, 728, 104, 103, 105, 640]. **Simulations** [1740, 1744, 1881]. **simulator** [669]. **Singapore** [1068]. **single** [1082]. **Sins** [730]. **Site** [1345, 1192, 1247, 847, 846, 1473, 1717, 1680, 1495, 1834, 1931]. **Site-Based** [846, 847]. **Siteseer** [1261]. **Situated** [524]. **Situation** [1264]. **Situations** [772]. **Six** [46]. **Six-digit** [46]. **Sixteen** [855]. **Sixth** [52]. **Sketching** [1047, 1151]. **skills** [851, 1766]. **Skip** [62]. **Slim** [1446]. **Small** [835, 572]. **Smalltalk** [924, 927, 923, 925, 922]. **Smart** [1096, 18]. **Smartcard** [738]. **Smith** [744]. **SNA** [23]. **Snowbird** [87]. **Social** [1241, 966, 869, 928, 1259, 387, 207, 601, 1138, 605, 608, 1680, 255, 1377, 1463]. **Socializing** [1345]. **Socialware** [1739]. **Societal** [1224, 1228, 1225, 1231, 1230, 1229, 1226, 1227]. **societies** [1205]. **Society** [637, 1939]. **Socio** [378]. **Socio-Technical** [378]. **soft** [632]. **softbot** [683]. **softbot-based** [683]. **Software** [661, 1281, 587, 206, 710, 1702, 1810, 1909, 1003, 1141, 999, 1389, 680, 1150, 1430, 1902, 970, 1317, 1024, 837, 367, 920, 143, 1240, 1779, 732, 1078, 491, 373, 1214, 239, 1390, 102, 454, 873, 649, 919, 1137, 27, 264, 1186, 1940, 1201, 187, 101, 1319, 1767, 1475, 1896, 740, 1941, 797, 1561, 1138, 1607, 607, 1320, 1898, 1621, 176, 1572, 1405, 1689, 302, 1933, 855, 727, 175, 1838, 95, 1657, 1852, 1726, 585, 268, 337, 1809, 1318, 691, 1670, 1614, 18, 361, 366, 801, 178, 1465, 586, 560, 395, 870, 188, 1411, 1729, 1690, 301, 1769, 1773]. **software** [59, 1251, 1397, 141, 180, 1709, 1391, 303, 1044, 1615, 1471, 853, 850, 61, 1543, 574, 173, 514]. **software-based** [586]. **Sold** [781]. **soldier** [1731]. **Soldiers** [793]. **Solitons** [431]. **Solution** [165, 344]. **solutions** [1899]. **Solved** [137]. **solver** [9]. **Solving** [1888, 1026, 1311, 204]. **Some** [497, 132, 74, 529, 1765, 895]. **Sorting** [1187, 1528]. **source** [1729, 1769]. **South** [612]. **Soviet** [184, 568]. **Space** [1111, 155, 809]. **Space-Time** [1111]. **Spaces** [421, 889, 524, 1235, 422]. **Spam** [1616, 1660]. **span** [1401]. **Spatial** [380, 1358, 888]. **Spatially** [524]. **Speak** [1474]. **speakers** [1211]. **Speaking** [224, 280, 553, 420, 455, 600, 746, 694, 806, 873, 968, 1165, 1075, 1297, 1679, 114, 76, 183, 148, 1624, 1871, 1696]. **Special** [555, 1094, 1357, 569, 541, 353, 90, 45, 433, 1479, 520]. **Special-Needs** [1357]. **specialize** [292]. **specific** [1402, 1687]. **Specification** [179, 177, 658]. **Specification-level** [179]. **Specifications** [1201, 727, 1447, 305]. **Speech** [950, 1247, 1698, 5, 318, 629, 79]. **Speed** [169, 788, 914, 809, 1124, 1834]. **speeds** [1690]. **Spelling** [320]. **Spinning** [1239]. **spring** [983]. **SQL** [73]. **Squeeze** [721]. **Stabilizing** [791]. **Stable** [728]. **Staffing**

[1752]. **Staged** [998]. **Stakeholders** [907]. **Standard** [13, 164, 1085, 163, 161, 342]. **standardization** [1893, 1453]. **Standardizing** [1246]. **Standards** [160, 68, 745, 1095, 723, 589, 709, 638, 914, 781, 967, 1372, 1246, 1766, 341, 1695, 1646, 1585, 1002, 1453, 1579]. **Stanford** [821]. **Starburst** [230]. **Starr** [1699]. **START** [185]. **State** [626, 1132, 1143, 1817]. **state-coordinated** [1817]. **statement** [499]. **states** [1296, 150]. **Statistical** [1154, 1760, 1514]. **Status** [1207, 1872]. **Staying** [1930, 1832]. **Step** [1949, 1276, 1435]. **steps** [1435, 509]. **Still** [1343, 1339, 863, 1394, 161]. **stochastic** [107]. **Stock** [1277]. **Stockholm** [1294, 1366]. **Stop** [1660, 1932]. **storage** [205]. **Stories** [1279, 1189]. **Story** [66]. **storyboard** [502]. **Strand** [1174]. **strangers** [1445]. **Strategic** [732, 1457, 131]. **Strategies** [727, 23, 253, 1835, 1809]. **Strategy** [1630]. **strength** [1627]. **Strengthening** [1800]. **Stress** [1267, 568]. **Stretching** [1240]. **String** [1]. **Strings** [244, 246, 247, 245, 1948, 63]. **Strong** [1529, 1646]. **Structural** [281]. **Structure** [797, 775, 1083, 369, 336, 507, 619]. **structure-based** [619]. **Structured** [878, 205]. **structures** [8]. **structuring** [240, 620]. **Struggle** [1297]. **Student** [1550, 1023, 1293, 139, 1465]. **Students** [1520, 1028, 1019, 567, 481]. **Studies** [1491, 1764, 298]. **study** [1936, 18, 178, 126]. **Studying** [868]. **StudySpace** [885]. **Style** [48]. **Sub** [432]. **Sub-Saharan** [432]. **Subclass** [73]. **Subject** [1271, 961]. **subjectivity** [538]. **Substitute** [793]. **Substring** [311, 85]. **Succeeding** [842]. **Success** [1335, 403, 589, 1302, 1908, 802]. **Successful** [845, 1544, 1574]. **succotash** [313]. **Summary** [397, 189]. **Supercomputer** [582, 583]. **supercomputers** [358]. **Supercomputing** [1001, 236, 353]. **Superconnectivity** [1600]. **Superhighway** [832, 985, 674, 778, 1082]. **Superimposing** [144]. **superior** [1394]. **Supply** [135]. **Supply/Demand** [135]. **Support** [1331, 679, 1026, 284, 194, 239, 1126, 1293, 725, 1552, 890, 1124, 1322, 593, 1329, 557, 653, 1499, 1539, 773]. **Supported** [760, 478, 257]. **Supporting** [1547, 1739]. **Surf** [1219]. **Surgeon** [278]. **surprising** [1765]. **Surveillance** [551, 591]. **Survey** [274, 276, 629, 44, 309, 322, 52, 99]. **Surveying** [96]. **survivability** [1838]. **Survivable** [324]. **surviving** [1484]. **Sustain** [533]. **switching** [74]. **sword** [1847]. **Swords** [661]. **Symbolic** [1700]. **Synchronous** [1035, 1760]. **Synergism** [4]. **Syntax** [32]. **Syntax-Directed** [32]. **synthesis** [1857, 1856]. **synthesizer** [318]. **System** [1209, 997, 228, 738, 1047, 12, 1008, 287, 1046, 1778, 169, 868, 270, 947, 1051, 1030, 579, 1451, 196, 1126, 229, 378, 1258, 728, 1033, 317, 316, 1319, 809, 563, 1449, 1691, 226, 176, 269, 1124, 213, 268, 615, 613, 813, 1639, 739, 1521, 366, 370, 227, 557, 591, 496, 1523, 219, 127, 1377, 425, 816]. **Systematic** [559, 1398, 880]. **systemic** [1464, 473]. **Systems** [1360, 1263, 1198, 1217, 791, 1005, 1331, 943, 1385, 599, 160, 626, 958, 974, 214, 775, 1054, 1079, 443, 1163, 194, 1301, 1034, 1288, 1081, 47, 926, 725, 389, 1010, 1020, 1140, 1758, 651, 1755, 1148, 1399, 307, 716, 225, 283, 220, 145, 1688, 334, 30, 1870, 1840, 1322, 1738, 593, 1252, 1329, 253, 177, 20, 17, 107, 617, 1444, 1554, 133, 1739, 98, 1588, 1123, 1735, 1591, 1482, 1609, 22, 143, 586, 1437, 654, 631, 324, 871, 1499, 1481, 1448, 1882, 1359, 416, 1077, 1257, 1675, 200, 231, 309, 1543, 1864, 1538, 1529, 803, 1761]. **Systems** [295].

Table [621, 271]. **Tables** [645, 384]. **tags** [1539]. **tailorable** [1400]. **tailored** [318]. **Take** [804, 278, 396]. **Taking** [1015, 1277, 1767]. **Tale** [184, 1298]. **Tales** [437]. **tangible** [1859]. **tank** [1744]. **tap**

[446, 764]. **tapestry** [414]. **Tapping** [764]. **Target** [874]. **Task** [369, 1704, 189, 488]. **Task-structure** [369]. **Taught** [1873]. **Taulbee** [99, 275, 276]. **Tax** [1190]. **taxes** [348]. **taxonomic** [1557]. **Taxonomy** [1005, 494, 740, 493]. **TCP** [788]. **TCQ** [5]. **TD** [800]. **TD-Gammon** [800]. **Teach** [567, 1822]. **Teachers** [1058]. **Teaching** [482, 1876, 3, 153, 1111, 960, 685, 1409, 828]. **team** [1879, 1671, 574]. **Teams** [102, 981, 576, 573, 1878, 572, 575]. **TeamWorkStation** [252]. **Techies** [757]. **Technetronic** [467]. **Technical** [1755, 804, 719, 311, 1324, 792, 538, 1584, 1474, 1692, 791, 566, 1171, 812, 1014, 1728, 776, 347, 844, 430, 1674, 1309, 54, 534, 1711, 1364, 1827, 1504, 1804, 1903, 777, 378, 397, 1339, 1884, 325, 621, 1289, 605, 1391, 393, 575]. **Technique** [24, 728, 584]. **Techniques** [1759, 317, 1124, 371]. **Technological** [1433, 432]. **Technologies** [1850, 1164, 736, 367, 1075, 472, 1169, 1597, 593, 1791, 444, 630, 1792, 1264, 773]. **Technology** [1237, 1113, 1122, 1059, 1218, 1241, 1242, 1120, 1345, 1080, 470, 1117, 1268, 367, 1243, 1119, 954, 696, 1234, 1240, 957, 1225, 1236, 452, 637, 1166, 916, 1208, 1372, 1338, 1233, 1361, 833, 849, 1238, 1232, 1118, 346, 1239, 469, 1424, 1219, 1235, 483, 1537, 1795, 315, 594, 542, 602, 131, 182, 1546, 423, 36, 1726, 391, 484, 440, 473, 193, 523, 1300, 1937, 654, 1711, 188, 488, 629, 1644, 1044, 1605, 1793, 1377, 1463, 602]. **Telecom** [1832]. **Telecommunications** [925, 1255, 780, 279, 609, 548, 320, 543, 1824]. **telecommunications-use** [1824]. **Teledemocracy** [1938]. **telephone** [74, 1712]. **telepresence** [1556]. **Telepresentations** [1285]. **Teleputer** [89]. **Television** [169, 590]. **Tell** [66]. **Temporal** [800]. **Ten** [1921, 1805]. **tension** [501]. **Tenth** [1174]. **Teraflop** [351]. **Term** [1094, 697, 868, 389, 1578]. **terminology** [1728]. **Terrible** [1231]. **Test** [986, 536, 967, 670, 535, 1759]. **testability** [716]. **testable** [1757]. **Testbed** [106, 306]. **Testing** [715, 710, 1870, 1840, 711, 920, 714, 1758, 1797, 1554, 739, 712, 1545, 713, 174]. **Text** [580, 244, 246, 247, 245, 381, 751, 726, 319, 1917, 63, 620, 1528, 1519, 382]. **Their** [156, 284, 285, 1853, 1377]. **them** [1376, 1250]. **theorem** [178]. **Theoretic** [799]. **theoretical** [309]. **Theory** [1150, 775, 1149, 1251, 1908, 1674, 1481, 1734, 1916]. **Therapy** [1353]. **there** [1804]. **They're** [729]. **Think** [1696, 852]. **Thinking** [1509, 1432, 1389, 1784, 1865, 1620, 1484, 1327, 463]. **Third** [909, 1801]. **third-party** [1801]. **Thoughts** [1086, 448]. **threat** [1679]. **Three** [730, 1598, 1333, 23, 187, 1688]. **three-faceted** [1688]. **Tiger** [756, 1245]. **Time** [351, 1332, 1216, 1111, 1200, 741, 155, 218, 1858, 1860, 201, 177, 616, 1492, 948, 1540, 125, 1568, 202, 1878, 200, 1895]. **time-based** [240]. **Times** [833, 1662, 1449]. **Timing** [1202]. **Tiny** [639]. **Tip** [1203]. **Title** [1474, 1949]. **TODAES** [984]. **Today** [1192, 26, 1586]. **Together** [421, 690]. **Token** [6]. **tolerance** [1761]. **Tolerant** [1200, 1030, 145, 1143]. **TOMACS** [1415]. **Tomorrow** [1192, 1231, 675, 1235, 1586]. **Tomorrows** [26]. **Tool** [1028, 732, 304]. **toolbox** [1783, 507, 619]. **toolkit** [1743, 1032]. **Tools** [476, 156, 902, 159, 623, 542, 1554, 1147, 1618, 480, 1668, 1912, 308, 773]. **Toolsmith** [1009]. **Top** [872, 1783]. **Total** [165, 1480]. **Totem** [1030]. **tour** [393]. **Touring** [425]. **Toys** [1109]. **TQM** [575]. **traceability** [1687, 1685]. **tracing** [1684]. **Track** [1039, 1092, 1470, 1558, 1906, 1370, 1416, 1434, 1452, 1487, 1506, 1532, 1577, 1604, 1622, 1642, 1659, 1677, 1694, 1713, 1730, 1763, 1787, 1807, 1830, 1849, 1868, 1887, 1927]. **Tracking** [525, 697, 1417]. **Tractor** [649]. **Trade** [929, 1560]. **trade-offs** [1560]. **Trading** [352, 1754]. **tradition** [1422]. **Traditional** [110]. **Traffic** [1869, 787, 1827].

Training [927, 864, 865, 1880, 866, 1879, 1883, 1669, 867, 869, 1142, 577, 1882, 1878]. **Transaction** [118]. **Transactions** [1209, 1034, 1719]. **Transatlantic** [498]. **transclusion** [877]. **Transfer** [1122, 1120, 367, 1119, 1118, 1117, 1064]. **Transformation** [1270, 428]. **Transforming** [1379, 900]. **Transis** [1031]. **Transition** [999, 1216]. **Translation** [514, 49, 438]. **Translations** [907]. **Transportation** [270]. **travel** [1560]. **Treating** [1356]. **Tree** [621, 2, 7, 271, 336]. **Trees** [62, 384]. **Trellis** [93]. **Trends** [993, 1072, 1501]. **Trial** [1170]. **trials** [1584]. **tribulations** [1584]. **Tribute** [1682, 405, 896]. **trip** [478]. **Trojan** [1885]. **trouble** [1410]. **Troubleshooting** [799]. **Trust** [1831, 385, 1032, 1837, 1781, 1727]. **TRUSTe** [1723]. **Trusted** [345, 1842]. **trustworthy** [1675]. **truths** [1716, 1678]. **tug** [1889]. **tug-of-war** [1889]. **Turbulent** [833]. **Turing** [1052, 724, 426, 1053, 670, 741]. **Turning** [1895, 93]. **Turnover** [281]. **Tutoring** [1020]. **TV** [794]. **Two** [983, 1295, 13, 184, 1079, 1078, 408, 1435]. **Two-Level** [1079]. **type** [1692]. **Types** [1179, 1082, 230]. **typical** [1483]. **Typographic** [48]. **Typology** [362].

U.S [284]. **U.S.** [483, 1059, 1815, 182, 1176, 1168, 1250, 1422]. **UART** [1757]. **Ubiquitous** [926, 529, 1457, 1460]. **UC** [822]. **UCLA** [274, 52]. **Ugly** [1266, 1716, 1678]. **UI** [459]. **UIs** [461]. **UK** [762]. **Ultimately** [1203]. **Ultra** [775]. **Ultra-Structure** [775]. **Ultracomputers** [351]. **ultrahigh** [586]. **UML** [1892, 1897, 1893, 1894, 1895]. **UMLoquent** [1896]. **Unbounded** [1179]. **Uncertainties** [1166]. **Uncertainty** [54, 112]. **Uncle** [290]. **Unconsummated** [1390]. **unconventional** [1780]. **Undergraduate** [394, 1054]. **Underlying** [829]. **underpinnings** [547]. **Understanding** [145, 1794, 91, 376, 655, 1409, 383, 653, 416, 79]. **Unexpected** [181]. **unified** [877, 1655]. **Unifying** [91, 1539]. **Union** [568]. **Unique** [1810]. **Unit** [436]. **unite** [182, 1562]. **United** [150]. **Units** [1269]. **Universal** [1255, 1459]. **universally** [1082]. **Universe** [1427]. **Universität** [1949]. **Universities** [533]. **University** [1380, 1928, 1120, 1277, 721, 1043, 825, 1949, 1458, 816, 1823]. **UNIX** [126, 1771]. **unknown** [1731]. **Unraveling** [910]. **unwanted** [1502]. **Update** [1089, 256, 1641]. **Updating** [360]. **Upgrade** [1309]. **upon** [1377]. **Ups** [1267, 455]. **URL** [1273]. **Usability** [1733, 1803, 1797, 1801, 1796, 1802, 644]. **usable** [134]. **USACM** [1414]. **Usage** [970, 52, 274]. **Use** [1360, 953, 1004, 1168, 868, 284, 1084, 1233, 553, 600, 694, 977, 747, 607, 1392, 1798, 1824]. **used** [1147, 1942]. **Useful** [1153, 134]. **Usenet** [1262]. **User** [840, 864, 506, 817, 1330, 456, 865, 110, 1706, 1072, 955, 1223, 1797, 1611, 869, 1800, 1634, 1618, 595, 1683, 460, 318, 1528, 411, 1527]. **User-Centered** [817, 1330, 1618]. **user-interface** [1528]. **user-tailored** [318]. **Users** [1935, 1636, 604, 1551, 1377, 514]. **Uses** [162, 1866]. **ushers** [980]. **Using** [442, 1822, 453, 840, 1570, 1362, 414, 1592, 654, 1087, 464, 1448, 458, 919, 1102, 1337, 1104, 317, 522, 1322, 1862, 698, 178, 1894, 1901, 657, 502, 1913, 504, 549, 1895, 1743, 1605, 1566, 1463]. **utilities** [126].

Vadis [1775]. **Validation** [586]. **Value** [1418, 1697, 848, 1587, 1206, 830]. **Value-added** [1697]. **Values** [50, 959, 197]. **Vanderbilt** [1113]. **Variable** [244, 246, 247, 245, 63]. **variable-length** [63]. **variance** [204]. **variety** [1082]. **VAX** [435]. **VDM** [178]. **vector** [583]. **vehicles** [202]. **vendor** [308]. **Verdict** [729].

Verification [1186]. **verify** [1837]. **Versus** [914]. **Very** [311, 85]. **Via** [1873, 477]. **Victory** [1093]. **Video** [421, 840, 820, 423, 165, 1101, 1442, 164, 480, 252, 163, 168, 166, 1441]. **Video-Game** [1101]. **videotape** [1833]. **Vietnam** [756]. **View** [1003, 139, 1688, 444, 1637, 39, 1655]. **Viewed** [1427]. **Viewing** [1595, 618, 1516]. **Viewpoint** [1767, 1001, 730, 1607, 1932, 966, 1835, 403, 235, 1076, 1698, 743, 1277, 1646, 985, 693, 1790, 1683, 1040, 387, 1135, 1096, 846, 1298, 1375, 861, 1873, 929, 1734, 833, 1455, 1580, 1343, 1344, 1625, 139, 1327, 1811, 1663, 949]. **Viewpoints** [1755]. **Views** [752]. **Village** [931, 986, 1059, 1210, 1266, 1325, 1419, 1488, 1907, 1788, 1697, 1173]. **VIP** [701]. **Virtual** [1256, 1049, 1357, 1048, 1380, 1536, 1379, 1046, 991, 1381, 1378, 1363, 1382, 1376, 1196, 1045, 1428, 1044, 895, 1347, 1383, 1354, 1858, 332, 789, 1194, 1939, 1741, 523, 1671, 1882, 1136, 1878, 1686, 1884, 1569]. **Virtuality** [1377]. **virtually** [1376]. **Virus** [1195]. **Visible** [905]. **vision** [1194, 628]. **Visit** [1367]. **Visual** [32, 1443, 1305, 1439, 883, 1686, 332, 1440, 748, 303]. **Visualization** [1281, 1048, 329, 331, 458, 1862, 1689, 815, 642, 479]. **Visualizing** [379, 1441]. **Visually** [1860]. **VLSI** [124]. **Voice** [1869, 1827]. **Volumes** [1153]. **volumetric** [1862]. **Voting** [1937, 402]. **Voyage** [931]. **VR** [1353, 1047, 1358, 1349, 1352, 1346, 1348]. **vs** [1764, 1733, 150, 30, 1086, 644, 1364, 1903, 1343, 1344, 1529]. **vulnerabilities** [860].

W [1000]. **walking** [578]. **War** [1643, 1279, 1164, 1189, 1889, 602]. **Warehouse** [1156, 1707, 1629, 1632]. **warehouses** [1631]. **Warehousing** [1635, 1627]. **Warfare** [1888, 1151, 1249, 1836]. **Warns** [278]. **wars** [1699]. **Was** [1375, 140]. **Washington** [1833, 1889, 66, 182, 236, 1606, 1929, 1040, 1341, 1151, 1190, 1454, 1661, 1093, 540, 581, 624, 660, 721, 863, 898, 780, 279]. **Wasteful** [1432]. **Watermarking** [1419, 1587, 1585, 1582]. **waters** [1663]. **Wave** [1232]. **Waves** [1219]. **Way** [1360, 852, 1424, 1494]. **Ways** [1101, 611, 1605]. **WCAR** [763]. **Weak** [419, 1529]. **Wearable** [994, 1096]. **weave** [414]. **web** [513, 1597, 969, 702, 1897, 1733, 1304, 952, 1598, 1283, 966, 990, 1159, 1617, 811, 1721, 1752, 1168, 1588, 1591, 1259, 1901, 1516, 1711, 1706, 1499, 1495, 794, 1579, 1386, 1719, 1261, 1500, 1635, 1861, 1407, 1594]. **Web-based** [1617, 1499, 1594]. **Webs** [1239, 1539]. **Webware** [1290]. **Week** [779, 965, 980]. **Where** [1145, 385, 239, 759, 1315, 142]. **Who** [950, 1643, 1561, 1342, 1429, 967]. **whole** [374]. **Whose** [1508]. **Wide** [1221, 249, 1082, 969, 702, 966, 990, 1159, 811, 812]. **Wide-Area** [249]. **Widening** [913, 1559]. **Wilkes** [466]. **Will** [377, 967, 1233, 1230, 1294, 1369, 1368, 1209, 1082, 170, 220]. **WIMP** [1223]. **Windows** [930, 113, 1041]. **Wings** [14]. **winners** [1292]. **Winona** [1171]. **Wired** [1171]. **wireless** [722, 1819, 1930, 478]. **Wiretaps** [743]. **wisdom** [1835]. **Wish** [1238]. **Wishes** [1333]. **WISs** [1595, 1592, 1599, 1601, 1590]. **within** [1521]. **Without** [1050, 1146, 681, 1543]. **Woes** [579, 1451]. **Women** [762, 1207, 1474, 760, 764, 115, 771, 759, 758, 765, 1637]. **won** [1643]. **Won't** [1076]. **Word** [236]. **WordNet** [936, 934]. **Work** [265, 511, 1702, 571, 510, 904, 1309, 194, 1045, 900, 901, 905, 908, 604, 1924, 253, 690, 906, 576, 257, 678, 1802, 770, 899]. **Work-oriented** [511]. **Working** [1091, 907, 1800]. **Workplace** [421, 768, 902, 742]. **Works** [1075]. **workspace** [252]. **Workstation** [1115, 596, 583]. **workstations** [1085]. **World** [1256, 715, 1221, 598, 1215, 130, 1080, 795, 1284, 520, 35, 198, 1907, 1139, 523, 1562, 141, 1377, 969, 702, 966, 990, 1159, 811].

World-Wide
[1221, 969, 702, 966, 990, 1159, 811]. **Worlds** [1224, 1884]. **worldwide**
[1510, 1194, 1813, 1511]. **worry** [1929]. **Worst** [985]. **Worst-Case** [985]. **Writing** [468]. **wrong** [1535]. **WWW**
[880, 883, 1072].

Xday [1788]. **Xerox** [511]. **XML**
[1753, 1901, 1754]. **XML-based** [1754]. **XX** [21]. **XXI** [53]. **XXII** [121]. **XXIII** [843].

Y2K [1788, 1626, 1850, 1943, 1725, 1872, 1641, 1828, 1805, 1875]. **Yaksha** [1008]. **Yang** [1530]. **Year** [1310, 259, 916, 349, 516, 1462, 338, 1488, 1476, 1309]. **Year-2000**
[1488, 1476, 1309]. **Years**
[1598, 1208, 1238, 1230, 979, 1291, 1212, 1394]. **Yin** [1530]. **Yu** [326].

Zealand [1016]. **zone** [813].

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of PRIZ), an object-oriented environment.
Data elements in Utopist (attributes of objects) can be bound by both inter- and intra-object relations. These relations are used by a propositional theorem prover to generate a proof that it is possible to compute a certain datum given some other data. This (constructive) proof is used to synthesize a program which computes the datum. So PRIZ has a quite non-standard logic component: compile-time proof and program generation instead of run-time clause resolution. These technique are called Propositional Logic Programming and Structural Program Synthesis. NUT is a prototype-based (as opposed to class-based) language: any object can be used as a template (type) for a new object (and of course as a component of a new object). Limited polymorphism is supported through a generic type (`any`). It is notable that some of the modern programming paradigms (constraint programming, object-orientation, employing logic in computation) have been considered so early.

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