

## Computer Science & Engineering Key Resources

### TEXTBOOKS

Title	Author	Year	Location
Visualization analysis and design, 2nd ed.	Tamara Munzner, Department	2010	HIGH-USE 001.4 M9718T
3-D image processing algorithms /		2001	HIGH-USE 621.37 N693N
A statistical approach to neural networks for pattern recognition /	Dunne, Robert A.	2007	HIGH-USE 006.32 D9238R
An introduction to statistical methods & data analysis, 7th ed.	R. Lyman Ott, Michael Longne	2016	HIGH-USE 519.5 O891R
Analyzing multivariate data /	Lattin, James M.	2003	HIGH-USE 519.535 L3648J
Applied numerical methods for engineers and scientists /	Rao, Singiresu S.	2002	HIGH-USE 519.4 R2151S
Applying UML and patterns : An introduction to object-oriented analysis and design and iterative dev	Larman, Craig	2005	HIGH-USE 005.117 L3248C
Artificial intelligence : A modern approach /	Russell, Stuart J.	2003	HIGH-USE 006.3 R9611S
C how to program /	Deitel, H. M.	2004	HIGH-USE 005.133 D325H
C++ for programmers /	Ammeraal, Leen	2000	HIGH-USE 005.133 A518L
C++ How to program /	Deitel, H. M.	2003	HIGH-USE 005.133 D325H
C++ programming for absolute beginner /	Henkemans, Dirk	2001	HIGH-USE 005.133 H513D
Computer networking :	Kurose, James F.	2012	HIGH-USE 004.6 K9689J
Computer networking : A top-down approach /	Kurose, James F.	2009	HIGH-USE 004.6 K9689J
Computer networking with internet protocols and technology :	Stallings, William	2004	HIGH-USE 004.62 S7827W
Computer networks /	Tanenbaum, Andrew S.	2002	HIGH-USE 004.6 T1641A
Computer networks /	Tanenbaum, Andrew S.	2003	HIGH-USE 004.6 T1641A
Computer networks :	Peterson, Larry L.	2012	HIGH-USE 004.6 P4851L
Computer networks and internets with internet applications /	Comer, Douglas E.	2004	HIGH-USE 004.6 C7325D
Computer organization and architecture : Designing for performance /	Stallings, William	2003	HIGH-USE 004.22 S7828W
Computer organization and design : The hardware/ software interface /	Patterson, David A.	2007	HIGH-USE 004.22 P3171D
Computer organization and design, 4th ed.	David A. Patterson	2009	HIGH-USE 004.22 P3171D
Computer science illuminated /	Dale, Nell	2010	HIGH-USE 004 D1391N
Computer security :	Satlings, William	2015	HIGH-USE 519.6 S2535W
Computer systems organization & architecture /	Carpinelli, John D.	2001	HIGH-USE 004.22 C298J
Computer vision /	Shapiro, Linda G.	2001	HIGH-USE 006.37 S5292L
Computer vision : a modern approach /	Forsyth, David.	2003	HIGH-USE 006.37 F7351D

Concepts of programming languages /	Sebesta, Robert W.	2003	HIGH-USE 005.13 S4436R
Concepts of programming languages /	Sebesta, Robert W.	2016	HIGH-USE 005.13 S4436R
Core Java 2 /	Horstmann, Cay S.	2003	HIGH-USE 005.133 H819C
Cryptography and network security :	Stallings, William	2017	HIGH-USE 005.8 S7827W
Data and computer communications /	Stallings, William	2004	HIGH-USE 004.6 S7827W
Data communications and networking /	Forouzan, Behrouz A.	2007	HIGH-USE 004.6 F727B
Data mining : practical machine learning tools and techniques, 4th ed.	Ian H. Witten, Eibe Frank, Mar	2017	HIGH-USE 006.3 D2321M
Data structures & algorithms in Java /	Lafore, Robert	2003	HIGH-USE 005.73 L167R
Database application development and design /	Mannino, Michael V.	2001	HIGH-USE 005.74 M2847M
Database design and development : an essential guide for IT professionals /	Ponniah, Paulraj	2003	HIGH-USE 005.74 P797P
Database system concepts /	Silberschatz, Abraham	2011	HIGH-USE 005.74 S5824A
Design and analysis of experiments by Douglas Montgomery : a supplement for using JMP	Heath Rushing, Andrew Karl, :	2013	HIGH-USE 519.5 R953H
Design and analysis of experiments with SAS	John Lawson	2010	HIGH-USE 519.5 L4252J
Digital media tools /	Chapman, Nigel	2003	HIGH-USE 006.7 C4661N
Discrete mathematics and its applications /	Rosen, Kenneth H.	2013	HIGH-USE 511 R7223K
Discrete mathematics for Computing /	Haggarty, Rod	2002	HIGH-USE 004.0151 H1453R
Distributed systems concepts and design, 5th ed.	George Coulouris , Jean Dollin	2012	HIGH-USE 004.36 C85518G
Elements of data compression /	Drozdek, Adam	2002	HIGH-USE 005.746 D793A
Elements of information theory /	Cover, Thomas M., 1938-	2006	HIGH-USE 003.54 C8734T
Embedded system design /	Marwedel, Peter, 1949-	2003	HIGH-USE 005.2 M391P
Embedded system design : A unified hardware/software introduction /	Vahid, Frank	2002	HIGH-USE 005.2 V127F
Error Control Coding : Fundamentals and applications /	Lin, Shu	2004	HIGH-USE 005.72 L7351S
Experimental and quasi-experimental designs for generalized causal inference	William R. Shadish, Thomas D.	2002	HIGH-USE 122 S5248W
Feature extraction and image processing /	Nixon, Mark S.	2002	HIGH-USE 006.37 N7362M
Fundamentals of 5G mobile networks /		2015	HIGH-USE 621.3845 F9813O
Fundamentals of computer : Organization and architecture /	Abd-El-Barr, Mostafa	2005	HIGH-USE 004.22 A1356M
Fundamentals of computer graphics /	Shirley, Peter	2005	HIGH-USE 006.6 S5583P
Fundamentals of Computer Graphics /	Marschner, Steve	2016	HIGH-USE 006.6 M363S
Fundamentals of database management systems /	Gillenson, Mark L.	2005	HIGH-USE 005.74 G476M
Fundamentals of LTE /		2011	HIGH-USE 621.3845 F9813O
Fundamentals of multimedia /	Li, Ze-Nian	2004	HIGH-USE 006.7 L69311Z

Guide to UNIX® Using Linux /	Dent, Jact	2000	HIGH-USE 005.432 D4141J
Handbook on Decision Support Systems 1 : Basic Themes	Frada Burstein, Clyde Holsapp	2008	HIGH-USE 658.4 B9728F
Introduction to Assembly language programming : For Pentium and RISC processors /	Dandamudi, Sivarama P., 1955-	2005	HIGH-USE 005.136 D176S
Java EE 8 Development with Eclipse: Develop, test, and troubleshoot Java Enterprise applications rapidly	Ram Kulkarni	2018	HIGH-USE 005.133 K9631
Java: How to Program, 9th ed.	Paul J. Deitel	2012	HIGH-USE 005.133 D325P
Java™ How to program /	Deitel, H. M.	2005	HIGH-USE 005.133 D325H
Linear and nonlinear programming. /		2016	HIGH-USE 519.72 L9488D
Logic and computer design fundamentals /	Mano, M. Morris, 1927-	2004	HIGH-USE 621.4 M2853M
Mastering Enterprise JavaBeans™ /	Roman, Ed	2002	HIGH-USE 005.2 R7581E
Mastering Matlab 7 /	Hanselman, Duane	2005	HIGH-USE 519.4 H2492D
Mastering Visual C#.NET /	Price, Jason	2002	HIGH-USE 005.133 P9451J
Mastering Web development with Microsoft Visual Studio 2005	Mueller, John Paul	2005	HIGH-USE 005.276 M9461J
MATLAB programming for engineers /	Chapman, Stephen J.	2008	HIGH-USE 518.0285 C4661S
Miller & Freund's probability and statistics for engineers /	Johnson, Richard A.	2005	HIGH-USE 519.4 J661R
Modern database management /	Hoffer, Jeffrey A., author.	2016	HIGH-USE 005.74 H6987J
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Network security for dummies /	Cobb, Chey	2003	HIGH-USE 005.8 C6531C
Networks, crowds, and markets : reasoning about a highly connected world	David Easley, Jon Kleinberg	2010	HIGH-USE 303.48 E131D
Operating system concept with java /	Silberschatz, Abraham	2004	HIGH-USE 005.133 S5824A
Operating systems /	Deitel, H. M.	2004	HIGH-USE 005.43 D325H
Operating systems : Internals and design principles /	Stallings, William	2005	HIGH-USE 005.43 S7827W
Operating systems : Internals and design principles /	Stallings, William	2001	HIGH-USE 005.43 S7827W
Operating systems internal and design - 7th ed.	William Stallings	2012	HIGH-USE 005.12 S7827W
Operating systems internals and design principles /	Stallings, William	2015	HIGH-USE 005.4 S7827W
Operating systems principles /	Bic, Lubomir F.	2003	HIGH-USE 005.43 B5831L
Operations research : An introduction /	Taha, Hamdy A.	2003	HIGH-USE 003 T1286H
Pattern classification /	Duda, Richard O.	2001	HIGH-USE 006.4 D844R
Peer-to-peer systems and applications /	Steinmetz, Ralf	2005	HIGH-USE 004.65 S8233R
Practical object-oriented development with UML and Java /	Lee Richard C., 1956-	2002	HIGH-USE 005.117 L4771R
Problem Solving with C++ : The Object of Programming /	Savitch, Walter J., 1943-	2003	HIGH-USE 005.133 S2678W
Problem solving with C++ : The object of programming /	Savitch, Walter J., 1943-	2005	HIGH-USE 005.133 S2678W

Programming C# /	Liberty, Jesse	2003	HIGH-USE 005.133 L6958J
Programming in C /	Kochan, Stephen G.	2005	HIGH-USE 005.133 K766S
Programming in C++ : Lessons and applications /	D'Orazio, Timothy B.	2004	HIGH-USE 005.133 D694T
Schaum's outline of computer architecture /	Carter, Nicholas	2002	HIGH-USE 004.22 C3231N
Schaum's Outline UML /	Bennett, Simon	2005	HIGH-USE 005.12 B4711S
Scientific papers and presentations /	Davis, Martha, 1935-	2004	HIGH-USE 501 D2611M
Software architecture :		2009	HIGH-USE 005.3 S6817A
Software Design: From Programming to Architecture.	Braude, Eric J.	2003	HIGH-USE 005.1 B8251E
Software engineering /	Sommerville, Ian	2016	HIGH-USE 005.1 S6977I
Software engineering : A practitioner's approach /	Pressman, Roger S.	2005	HIGH-USE 005.1 P9357R
Software Engineering, 9th ed.	Ian Sommerville	2011	HIGH-USE 005.1 S6971I
Software Engineering, 9th ed.	Ian Sommerville	2011	HIGH-USE 005.1 S6977I
Statistics for engineers and scientists, 4th ed.	William Navidi	2015	HIGH-USE 519.5 N325W
Statistics, data analysis and decision modeling, 5th ed.	James R. Evans	2013	HIGH-USE 658.4 E9242J
The 3G IP multimedia subsystem (IMS) : Merging the internet and the cellular worlds /	Camarillo, Gonzala	2004	HIGH-USE 006.7 C1729G
The 8051 microcontroller /	MacKenzie, I. Scott	2007	HIGH-USE 004.165 M15611-I
The C++ programming language /	Stroustrup, Bjarne	2000	HIGH-USE 005.133 S9258B
The Java™ programming language /	Arnold, Ken	2000	HIGH-USE 005.13 A752K
The verilog hardware description language /	Thomas, Donald E., 1951-	2002	HIGH-USE 621.4 V516H
The Visual Display of Quantitative Information, 2nd ed.	Edward R. Tufte	2001	HIGH-USE 001.4 T914E
The world of scripting languages /	Barron, David W., 1935-	2000	HIGH-USE 005.276 B2771D
Thinking in C++ /	Eckel, Bruce	2004	HIGH-USE 005.133 E1914B
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Uncertainty and information : foundations of generalized information theory /	Klir, George J.	2005	HIGH-USE 003.54 K659G
Visual C++ .NET : how to program /	Deitel, H. M.	2003	HIGH-USE 005.268 V8344C
Web-based application development /	Grove, Ralph F.	2010	HIGH-USE 005.3 G8831R
Windows system programming /	Hart, Johnson M.	2005	HIGH-USE 005.43 H3251J
Wireless sensor networks /	Raghavendra, C. S.	2004	HIGH-USE 681.2 W798S
A gift of fire: social, legal, and ethical issues for computing technology	Sara Baase; Atriya Sen	2013	UWE Library <a href="#">CLICK HERE</a>
ACM ethics		2018	UWE Library <a href="#">CLICK HERE</a>
ACM Ethics   The Official Site of the Association for Computing Machinery's Committee...			UWE Library <a href="#">CLICK HERE</a>
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MacOS programming for absolute beginners: developing apps using Swift and Xcode	Wally Wang	2017	UWE Library <a href="#">CLICK HERE</a>
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The Ethics Centre - Ethics, Morality & Law   The Ethics Centre Blog			UWE Library <a href="#">CLICK HERE</a>
The handbook of information and computer ethics	Kenneth Einar Himma; Herma	2008	UWE Library <a href="#">CLICK HERE</a>
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Oct-20