

Complete Computer Science Books You Need

Core-Understanding

1. Structure and Interpretation of Computer Programs(SICP)
2. Programming from ground up.
3. Code: The Hidden Language of Computer Hardware and Software by Charles Petzold
4. The Soul of a New Machine by Tracy Kidder
5. Code Complete (2nd edition) by Steve McConnell
6. Algorithms to Live By: The Computer Science of Human Decisions
7. The Practice of Programming by Kernighan and Pike
8. Superintelligence: Paths, Dangers, Strategies Nick BostromNick Bostrom
9. The C programming Language K&R
10. Feynman's Lectures on Computation
11. Introduction to the Theory of Computation 3rd Edition by Michael Sipse
12. The Unix Programming Environment
13. The Elements of Programming Style
14. Hackers: Heroes of the Computer Revolution
15. Pragmatic Thinking and Learning: Refactor Your Wetware by Andy Hunt
16. Hello world - hanna fry
17. The Annotated Turing
18. Zen and the Art of Motorcycle Maintenance by Robert M. Pirsig
19. How to Think Like a Mathematician: A Companion to Undergraduate Mathematics 1st Edition by Dr Kevin Houston
20. Computational Beauty of Nature
21. Surely youre Joking Mr.feynman
22. Gödel, Escher, Bach: An Eternal Golden Braid Douglas R. Hofstadter
23. Purely Functional Data Structures Chris Okasaki
24. The Art of Computer Programming -Knuth
25. Concrete Mathematics - Knuth
26. Discrete Maths for Computer Scientists by Truss
27. The Little Schemer, fourth edition (The MIT Press)
28. The Seasoned Schemer
29. The Design of Everyday Things by Donald Norman
30. Domain Driven Designs by Eric Evans
31. Algorithms + Data Structures = Programs
32. Introduction to Functional Programming by Philip Wadler and Richard Bird
33. Smalltalk-80: The Language and Its Implementation
34. Computer Organization and Design MIPS Edition, Fifth Edition

Operating System

1. Operating System 3 Pieces
2. Modern Operating Systems by Andrew S. Tanenbaum

History

1. The Soul of A New Machine by Tracy Kidder

Software Engineering

32. The Passionate Programmer: Creating a Remarkable Career in Software Development
33. The Timeless Way of Building by Christopher Alexander
34. Coders at Work by Peter Seibel
35. The Deadline: A Novel About Project Management by Tom DeMarco
36. The Mythical Man Month
37. Code Complete (2nd edition) by Steve McConnell
38. Design Patterns by the Gang of Four
39. Pragmatic programming
40. Clean Code by Robert C. Martin
41. Prograaming pearls
42. Weinberg, The Psychology of Computer Programming
43. Plauger, Programming on Purpose
44. Boehm, Software Engineering Economics
45. DeMarco and Lister, Peopleware

Computer Architecture

1. Computer Systems: A Programmer's Perspective
2. Structured Computer Organization
3. Computer Architecture a Quantitative Approach

Computer Networks

1. Computer Networking: A Top-Down Approach
2. Unix Network Programming
3. Computer Networks | Fifth Edition | By Pearson (5th Edition) by Tanenbaum

Database

1. Readings in Database Systems (PDF)
2. Data and Reality: A Timeless Perspective on Perceiving and Managing Information in Our Imprecise World, 3rd Edition

Distributed Systems

1. Designing Data-Intensive Applications: The Big Ideas Behind Reliable, Scalable, and Maintainable Systems

Compiler Designing

1. Compilers: Principles, Techniques & Tools by Aho

Web Development

1. Don't Make Me Think by Steve Krug