CS Base - Reading List

Reading List/Bibliography

**Comp-Sci:**

* The C Programming Language
* 21st Century C, 2nd Edition
* C Unleashed
* Guide to Competitive Programming
* Mastering Algorithms with C
* Algorithms in C, Volumes 1-4
* Algorithms in C, Volume 5
* Algorithms Illuminated, Part 1: The Basics
* Algorithms Illuminated, Part 2: Graph Algorithms and Data Structures
* Algorithms Illuminated, Part 3: Greedy Algorithms and Dynamic Programming
* Algorithms Illuminated, Part 4: Algorithms for NP-Hard Problems
* Data Structures and Algorithms in Python
* Data Structures with Java
* Data Structures and Algorithms in Java
* Grokking Algorithms: An illustrated guide for programmers and other curious people
* Algorithms in C++
* Data Structures and Algorithms in C++
* Algorithms in a Nutshell, A Desktop Quick Reference
* Foundations of Computer Science, C Edition
* Cracking the Coding Interview, 6th Edition
* Elements of Programming Interviews
* How would you move Mt. Fuji?
* 100 Interview Questions: Ace the Coding Interview: Must-know Questions
* 100 Interview Questions: Data Structures and Algorithms
* 100 Interview Questions: Dynamic Programming
* 100 Interview Questions: C Programming
* Algorithmic Thinking: A Problem-Based Introduction
* The recursive book of recursion
* Database Internals: A Deep Dive into How Distributed Data Systems Work
* Introduction to Algorithms: A creative approach
* Data Structures and Algorithms, and Program Style Using C
* Code: The Hidden Language of Computer Hardware and Software
* Code: The Hidden Language of Computer Hardware and Software, 2nd edition

**Extended:**

* The Art of Computer Programming
* Introduction to Algorithms (CLRS, The White Book)
* Algorithm Design

**Processor and Low-Level**

* Advanced Apple Debugging & Reverse Engineering
* Low-Level Programming: C, Assembly, and Program Execution
* Modern Compiler Implementation in C
* Hackers Delight, 2nd Edition