

The Art of Computer Programming: Volume 3: Sorting and Searching (2nd Edition)

Donald E. Knuth

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The Art of Computer Programming: Volume 3: Sorting and **Searching (2nd Edition)**

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The Art of Computer Programming: Volume 3: Sorting and Searching (2nd Edition) Donald E. Knuth The bible of all fundamental algorithms and the work that taught many of today's software developers most of what they know about computer programming.

-Byte, September 1995

I can't begin to tell you how many pleasurable hours of study and recreation they have afforded me! I have pored over them in cars, restaurants, at work, at home... and even at a Little League game when my son wasn't in the line-up.

-Charles Long

If you think you're a really good programmer... read [Knuth's] Art of Computer Programming... You should definitely send me a resume if you can read the whole thing.

-Bill Gates

It's always a pleasure when a problem is hard enough that you have to get the Knuths off the shelf. I find that merely opening one has a very useful terrorizing effect on computers.

-Jonathan Laventhol

The first revision of this third volume is the most comprehensive survey of classical computer techniques for sorting and searching. It extends the treatment of data structures in Volume 1 to consider both large and small databases and internal and external memories. The book contains a selection of carefully checked computer methods, with a quantitative analysis of their efficiency. Outstanding features of the second edition include a revised section on optimum sorting and new discussions of the theory of permutations and of universal hashing.

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