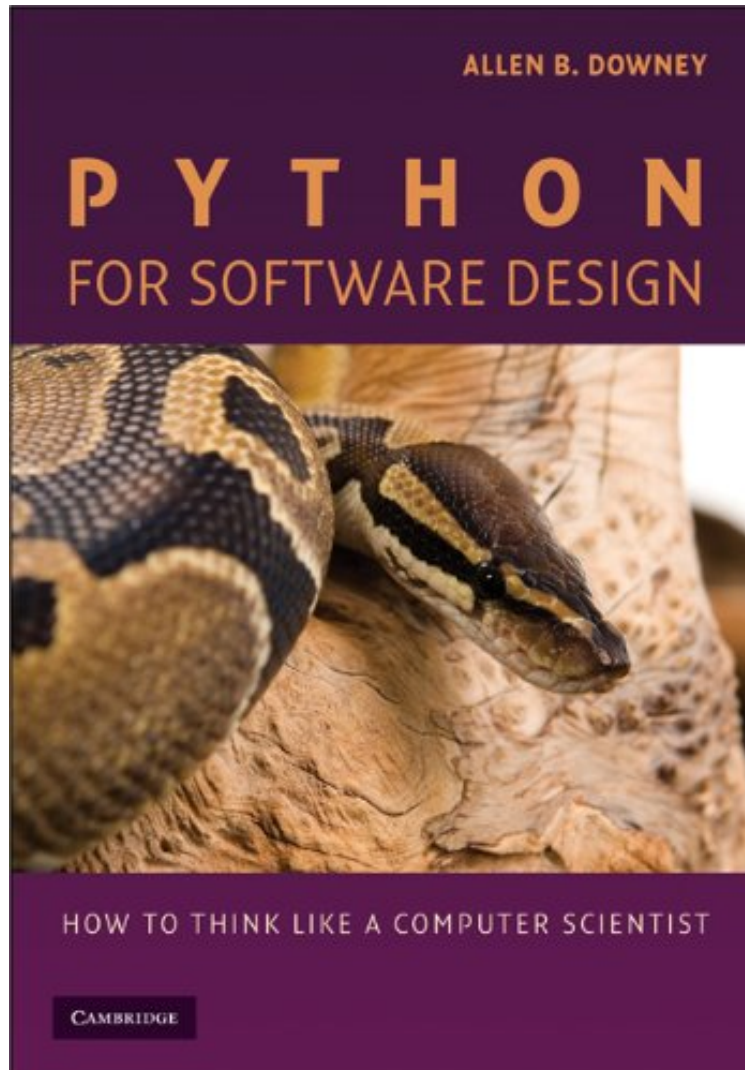


(Download free ebook) Python for Software Design: How to Think Like a Computer Scientist

# Python for Software Design: How to Think Like a Computer Scientist

Von Allen B. Downey

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**Von Allen B. Downey : Python for Software Design: How to Think Like a Computer Scientist** before purchasing it in order to gage whether or not it would be worth my time, and all praised Python for Software Design: How to Think Like a Computer Scientist:

KundenrezensionenHilfreichste Kundenrezensionen0 von 0 Kunden fanden die folgende Rezension hilfreich. One of the best introductions to PythonVon A. Max KnigI had been looking at a few Python books, but this strikes me as an extremely well written introduction. Very systematic and nicely structured. One thing that makes this book valuable for me is the explanation of object oriented programming. Having learned programming in the "old days" with Fortran,

this object oriented approach still is somewhat unclear to me. This books leads the reader slowly towards this issue, such that the usefulness of using objects, classes, etc. becomes very clear out of the problems from all proceeding chapters. It should be mentioned that this is an open source book and freely and legally available on the net! But some, like me, may find it nice to have a printed copy to work through.

**Kurzbeschreibung** A no-nonsense introduction to software design using the Python programming language. Written for people with no programming experience, this book starts with the most basic concepts and gradually adds new material. Some of the ideas students find most challenging, like recursion and object-oriented programming, are divided into a sequence of smaller steps and introduced over the course of several chapters. The focus is on the programming process, with special emphasis on debugging. The book includes a wide range of exercises, from short examples to substantial projects, so that students have ample opportunity to practise each new concept. Exercise solutions and code examples are available from [thinkpython.com](http://thinkpython.com), along with Swampy, a suite of Python programs that is used in some of the exercises.

**Pressestimmen** 'I liked this book. The presentation is neat and clean, I might even say cheerful. And I learned a lot, not least of all where higher level languages are going, and the terminology used to express that I liked the pace of presentation. I liked the constant stirring of topics: a new feature, a hint on debugging, a few words on programming style, some thoughts on programming principles, then on to the next new feature. It really is a nice mix.' 'Scientific Programming' explains concepts in clear, readable prose; contains helpful illustrations; and integrates activities to engage its readers.' 'Computing in Science and Engineering'

**ber das Produkt** A no-nonsense introduction to software design using the Python programming language. The focus is on the programming process, with special emphasis on debugging. The book includes a wide range of exercises, from short examples to substantial projects, so that students have ample opportunity to practise each new concept.