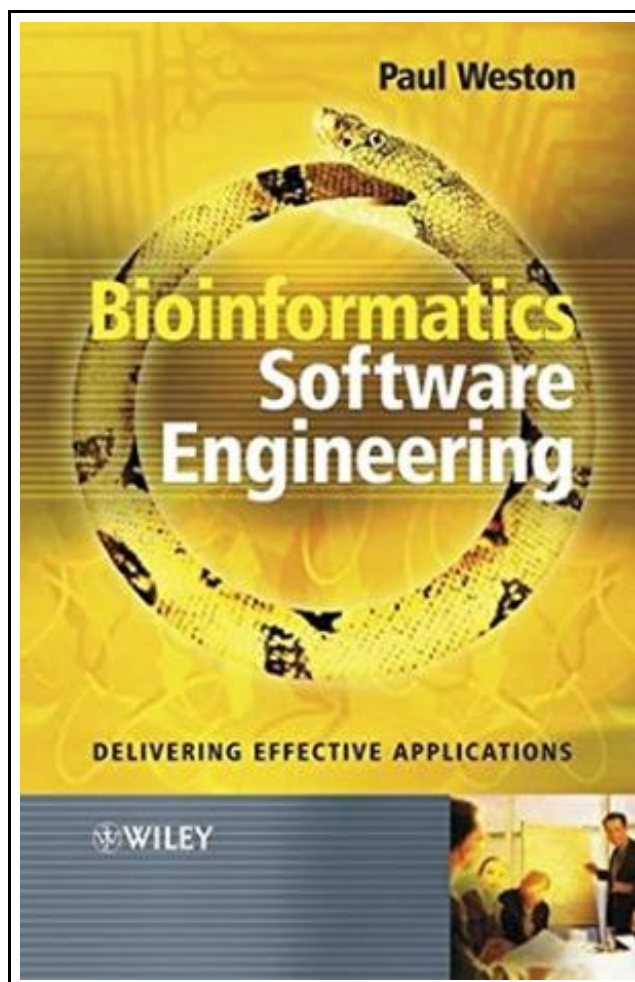


Software Engineering for Bioinformaticians



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Reviews

This is actually the greatest publication i have go through right up until now. I really could comprehended every little thing using this composed e book. I realized this book from my i and dad advised this ebook to learn.

(Jimmie Schmidt I)

SOFTWARE ENGINEERING FOR BIOINFORMATICIANS



John Wiley and Sons Ltd. Paperback. Book Condition: new. BRAND NEW, Software Engineering for Bioinformaticians, Paul Weston, Bioinformatics Software Engineering: Delivering Effective Applications will be useful to anyone who wants to understand how successful software can be developed in a rapidly changing environment. A handbook, not a textbook, it is not tied to any particular operating system, platform, language, or methodology. Instead it focuses on principles and practices that have been proven in the real world. It is pragmatic, emphasizing the importance of what the author calls Adaptive Programming -- doing what works in your situation, and it is concise, covering the whole software development lifecycle in one slim volume. At each stage, it describes common pitfalls, explains how these can be avoided, and suggests simple techniques which make it easier to deliver better solutions. "Well thought-out .addresses many of the key issues facing developers of bioinformatics software." (Simon Dear, Director, UK Technology and Development, Bioinformatics Engineering and Integration, Genetics Research, GlaxoSmithKline) Here are some examples from the book itself. On software development: "Writing software properly involves talking to people -- often lots of people -- and plenty of non--coding work on your part. It requires the ability to dream up new solutions to problems so complicated that they are hard to describe." From description to specification: "Look for verbs - action words, such as 'does', 'is' and 'views'. Identify nouns -- naming words, like 'user', 'home' and 'sequence'. List the adjectives -- describing words, for example 'quick', 'simple' or 'precise'. The verbs are the functions that must be provided by your application. The nouns define the parameters to those functions, and the adjectives specify the constraint conditions under which your program must operate." On how to start writing software: "Handle errors. Take in data. Show output. Get going!" On...



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