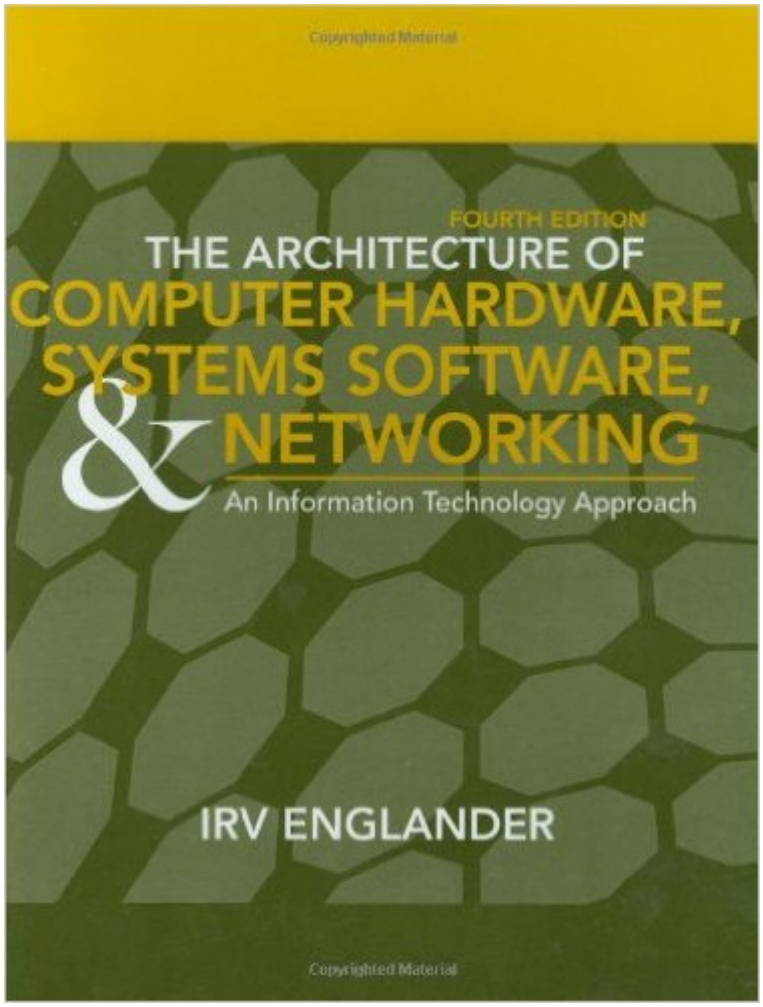
The Architecture Of Computer Hardware, Systems Software, & Networking: An Information Technology Approach



Synopsis

Reflects the latest technology in the field to provide readers with the most up-to-date resource Presents examples that cover a broad spectrum of hardware and software systems, from personal computers to mainframes Places more emphasis on networking to address increased importance of the communications area Consolidates the coverage of buses into one chapter. Integrates numerous review questions at the end of each chapter to enhance the reader's understanding of the material

Book Information

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Customer Reviews

This book gives a good overview of computer architecture however its on the IT level. If you want more detail on the Compute Science level with math equations this isn't the book. You will learn a good deal of system internals

I want to be clear that I'm coming from a strict engineering (electrical/computer) background so I am somewhat biased toward a more thorough mathematical treatment of concepts ...Although this text is very comprehensive, covering a wide range of topics relating to computers: software, hardware, networking; the depth is very lacking. To make matters worse, I find some of the information presented to be somewhat misleading or at least lacking detail to the point of leaving out some key concepts. I have been able to squeeze a little bit of useful information from this text in an area or

two in which I was not very familiar; however, I think it would be helpful for readers to know that the majority of the concepts presented in this text are learned by the majority of technically inclined people throughout high school and a technical undergraduate education (without the aid of a course and/or text that presents this material formally). Any supporting information necessary beyond that can be easily obtained online.

I had to use this for a computer hardware class last semester, and this book is pretty bad. 2nd worst book I have ever used for a class. There is so much useless information. When you have to do the questions at the end of the chapters, you realize there is no information on how to do the required work. For example converting ASCII to binary, or EBCDIC. Or calculating the seek speed of a hard drive rotating at "X" times per second. I would read the book, and be like "wow! He went over this huh??!!" Then I would read through the chapter and NEVER discover the information I needed. The whole first chapter has these ASCII questions I mentioned earlier, and there is no chart that explains how to do this at all! There are lots of useless charts, but NONE YOU NEED! If you are taking a class using this book, I feel for you. Luckily my teacher just gave hundreds on all the homework. Probably because he knew this book blew big ones. Oh, and if you have to use the Little Man Computer, for your final project, good luck getting any information from this book. All the LMC's look different, and the book is very brief, and gives next to no explanation. THIS BOOK IS TOTAL JUNK!

This is book is a waste of money. There are hundreds of examples and no important information. You gonna have to go through many pages, until you reach something that it's really worth it.Anyway, it's matter of choice, but I don't wanna read the author opinions. I want to learn stuff I don't know. The serious material in that book is 100 pages or less out of 700!

I took a Computer Architecture class that uses this textbook. It's awful, and poorly written. I don't know why schools would opt to use this book. Even the latest edition has glaring mistakes obvious to even the newest computer user, which hinders learning what accurate information there is.In one of the very first chapters, it purports to explain architectures, and then proceeds to show such ridiculous diagrams as "Google" using "CGI" on "database servers."The explanations are often technically incorrect and simplified and abstracted to a level of absurdity, to the point of making the material completely incomprehensible. The exercises are inconsistent and impossible to understand. In one chapter, after proceeding to explain everything in simple terms using base 10, it jumps immediately into exercises using binary numbers. It asks to use the "instruction set used in

this chapter," but there is no such instruction set. The only possibility is that the author might possibly want is to use the instruction set from the *previous* chapter.Avoid this book.

This book is a JOKE. The author should be ashamed to even be releasing such a poorly written book. Not only are there glaring grammatical mistakes loaded into the book, some of the information in the newest edition are inaccurate. Furthermore, the author had the audacity to include review questions WITH NO ANSWER KEY. How do students expect to figure out solutions on their own without an answer key in the back? Instead, the author decided to include a bibliography as though this was for an English class. Hands down ONE OF THE WORST book I have ever seen. I'm read high school text book that are more useful than this crap.DON'T BUY THIS BOOK. HORRIBLE AUTHOR.

This information in this book is not really new or exciting. How computers actually work has not changed (in principal) much in the last 50 years. Most of the information can be found on the web. Save 30 dollars and buy the International Student Edition The Architecture of Computer Hardware and System Software: An Information Technology Approach. However, the exercises at the end of the chapter are not in the same order. For example, question 10.1 in this book is question 10.4 in the International Student Edition.

You can't blame for the quality or contents of this particular book. The book was part of my Master degree program class, so I had to purchase it (as I believe most of us are in this situation). I believe was one of the only few who not only had the book, but was able to get it to me within two days using my prime status.

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