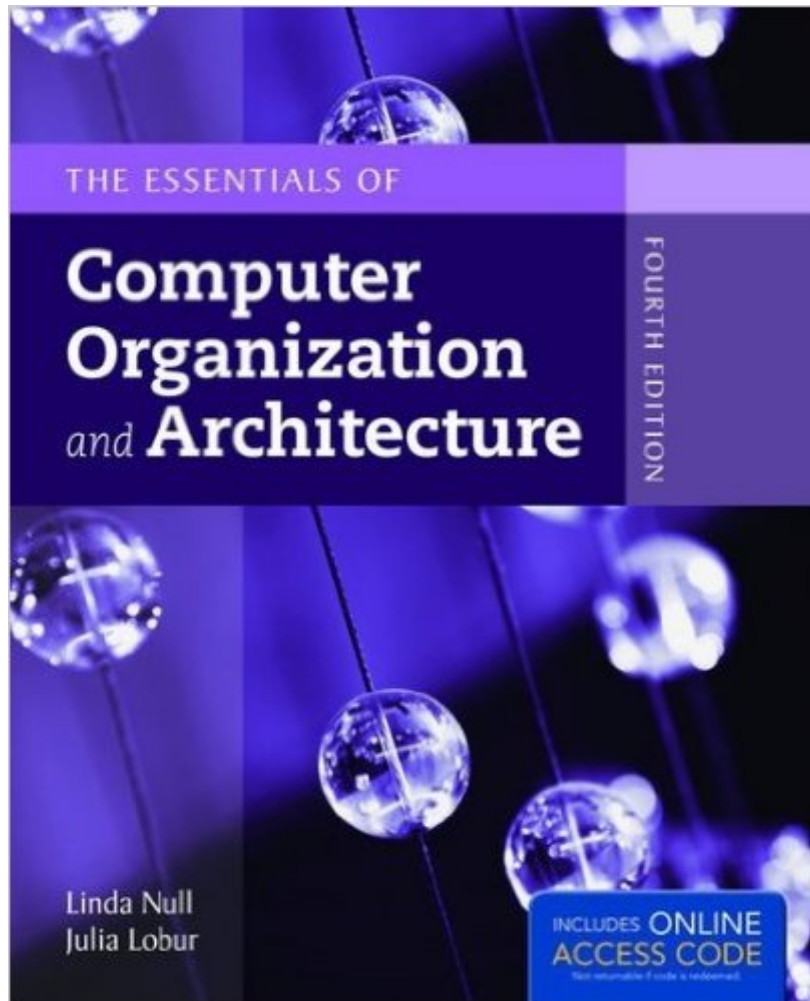The book was found

The Essentials Of Computer Organization And Architecture

THE ESSENTIALS OF

Computer Organization and Architecture

FOURTH EDITION

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Synopsis

The Essentials of Computer Organization and Architecture, Fourth Edition was recently awarded a "Textbook Excellence Award" (â œTextyâ •) from the Text and Academic Authors Association (TAA) the only association devoted solely to serving textbook and academic authors since 1987 (www.TAAonline.net). The "Textbook Excellence Award" recognizes works for their excellence in the areas of content, presentation, appeal, and teachability. This is the third Texty award for Null and Lobur. They also won for their Second and Third Editions of this text. Updated and revised to reflect the most current data in the field, perennial bestseller The Essentials of Computer Organization and Architecture, Fourth Edition is comprehensive enough to address all necessary organization and architecture topics, but concise enough to be appropriate for a single-term course. Its focus on real-world examples and practical applications encourages students to develop a â œbig-pictureâ • understanding of how essential organization and architecture concepts are applied in the computing world. In addition to direct correlation with the ACM/IEEE CS2013 guidelines for computer organization and architecture, the text exposes readers to the inner workings of a modern digital computer through an integrated presentation of fundamental concepts and principles. The fully revised and updated Fourth Edition includes the most up-to-the-minute data and resources available and reflects current technologies, including tablets and cloud computing. All-new exercises, expanded discussions, and feature boxes in every chapter implement even more real-world applications and current data, and many chapters include all-new examples. A full suite of student and instructor resources, including a secure companion website, Lecture Outlines in PowerPoint Format, and an Instructor Manual, complement the text. This award-winning, best-selling text is the most thorough, student-friendly, and accessible text on the market today. Key Features: â ¢ The Fourth Edition is in direct correlation with the ACM/IEEE CS2013 guidelines for computer organization and architecture, in addition to integrating material from additional knowledge units. â ¢ All-new material on a variety of topics, including zetabytes and yottabytes, automatons, tablet computers, graphic processing units, and cloud computing â ¢ The MARIE Simulator package allows students to learn the essential concepts of computer organization and architecture, including assembly language, without getting caught up in unnecessary and confusing details. â ¢ Full suite of ancillary materials, including a secure companion website, PowerPoint lecture outlines, and an Instructor Manual â ¢ Bundled with an optional Intel supplement â ¢ Ideally suited for single-term courses

Book Information

Customer Reviews

I'm afraid I have to agree with most of the reviewers here: this book is horrible. Unfortunately, it's required for my class. In order to actually understand most of the subject matter, I have to constantly refer to other books, YouTube videos, Google searches, and homework help services. It seems the authors are trying to cram too much information into one book, with the result that they are covering all of the information very badly. My recommendation would be to cut down on the variety of information presented and cover fewer topics well.

The chapters provide a general overview of ideas/topics but the questions at the end of the chapter are very detail intensive. Probably the second worst book I have ever come across in my entire life. Know that if the book is required, you will be using other sources to actually learn the material to do the homework. Good luck.

For north of $200, I don't think I should be doing your copyediting. Everything from the past reviews such as missing or incorrect tables and the bad metaphors are all true. A lot of the paragraphs are wordy and verbose. Cut... cut... cut... Some of the writing is very poor with overly long sentences that makes it hard to read. I would suggest that the authors fire their copy editor and start over. There are multiple references to ancient technology such as Pentium and Sun workstations. Due to the poor writing and the ancient technology, there isn't much prose that needs to be saved for the next edition. I would suggest a complete rewrite or suggest that professors use other texts such as

Patterson.

This book is truly awful. For the homework assignments, you will have to find solutions and instructions on the web. That is the only way to complete them. If you just needed a 5000 foot view of a concept, this isn't so bad, but then when asked to PERFORM what you read, you realize how bad the book is.

I took a class that covered similar content in undergrad, and had to take a course in grad school since my Master's program doesn't do transfer credits.This book talks, talks, and drones on in an endless monotone, but never really "explains". I actually had to use my undergrad book in order to solve a lot of the homework problems, just because this book is so bad at teaching me how to solve its own problems.The only good thing about this book is that the answer sheets to the questions are easy to find.

I would not get this unless it is required by your professor. Not that the explanations of the content are bad, but it only contains 5% of the answers to the questions at the end of each chapter. That is unacceptable to me as a student, especially in a science field. It should have at least all evens or all odds.

Worst book ever..... If your a CS student and looking to expand your knowledge; Do yourself a favor and save your money!!! Also many of the solutions for the practice problems are incorrect ! If I didn't have Chegg to look up the solutions; I would have been teaching myself the wrong thing and confusing myself even further!

I was required to purchase this $206 book from my campus bookstore. Absolutely horrible! Constantly refers to tables and charts that don't exist, give horrible examples using idiotic metaphors, and is about as organized as my 3 year old son's crayon drawings. Consquently, i am learning nothing from this book, and gain more knowledge from in-class lectures. Do yourself a favor and try to stay away from this book. If you are required to have it for a class and the in-book homework, you have my greatest sympathies.

Computer Organization and Design, Fifth Edition: The Hardware/Software Interface (The Morgan Kaufmann Series in Computer Architecture and Design) Computer Organization and Design: The

Hardware/Software Interface (The Morgan Kaufmann Series in Computer Architecture and Design) Digital Logic Design and Computer Organization with Computer Architecture for Security The Essentials of Computer Organization and Architecture Organization: The 7 Habits to Organize Your Day, Productivity, and Focus (organization, success, efficiency, declutter, focus, productive, mind control) Organization Development: Behavioral Science Interventions for Organization Improvement,6th Edition Python: Python Programming For Beginners - The Comprehensive Guide To Python Programming: Computer Programming, Computer Language, Computer Science Python: Python Programming For Beginners - The Comprehensive Guide To Python Programming: Computer Programming, Computer Language, Computer Science (Machine Language) Principles of Computer Organization and Assembly Language Software Reuse: Architecture, Process and Organization for Business Success Software Reuse Architecture, Process and Organization for Business Success by Ivar Jacobson How to Stop E-Mail Spam, Spyware, Malware, Computer Viruses and Hackers from Ruining Your Computer or Network: The Complete Guide for Your Home and Work A-Life for Music: Music and Computer Models of Living Systems (Computer Music and Digital Audio Series) Structure and Interpretation of Computer Programs - 2nd Edition (MIT Electrical Engineering and Computer Science) TCP/IP: Architecture, Protocols, and Implementation with IPv6 and IP Security (McGraw-Hill Computer Communications Series) Houses Coloring Book: An Adult Coloring Book of 40 Architecture and House Designs with Henna, Paisley and Mandala Style Patterns (Architecture Coloring Books) (Volume 1) More Windows Vista for Seniors: Customizing and Managing Your Computer (Computer Books for Seniors series) Hacking: Computer Hacking:The Essential Hacking Guide for Beginners, Everything You need to know about Hacking, Computer Hacking, and Security ... Bugs, Security Breach, how to hack) iWoz: Computer Geek to Cult Icon: How I Invented the Personal Computer, Co-Founded Apple, and Had Fun Doing It Digital Design and Computer Architecture, Second Edition