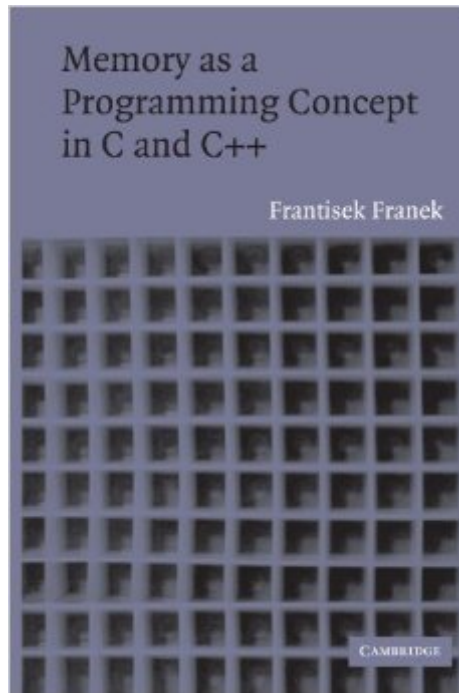


The book was found

Memory As A Programming Concept In C And C++



Synopsis

Assuming readers have a basic familiarity with C or C++, Frantisek Franek describes the techniques, methods and tools available to develop effective memory usage. The overwhelming majority of "bugs" and crashes in computer programming stem from problems of memory access, allocation, or deallocation. Such memory related errors are notoriously difficult to resolve. Moreover, the role that memory plays in C and C++ programming is a subject often overlooked in courses and in books. Most professional programmers learn about it entirely through actual experience of the problems it causes.

Book Information

Paperback: 276 pages

Publisher: Cambridge University Press; 1 edition (November 17, 2003)

Language: English

ISBN-10: 0521520436

ISBN-13: 978-0521520430

Product Dimensions: 6 x 0.6 x 9 inches

Shipping Weight: 1 pounds (View shipping rates and policies)

Average Customer Review: 4.1 out of 5 starsÂ Â See all reviewsÂ (16 customer reviews)

Best Sellers Rank: #787,119 in Books (See Top 100 in Books) #16 inÂ Books > Computers & Technology > Programming > Algorithms > Memory Management #2128 inÂ Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Software Development #5205 inÂ Books > Computers & Technology > Programming > Languages & Tools

Customer Reviews

I agree with the other reviewers. In general this is good book. It bridges the gaps between many computer science disciplines. Especially OS and programming language. It also touched a little bit on computer architecture and linking process. The text was written in a a very clear way. However, I do have two complains. The author didn't spend enough effort on the relatively more complex and advanced topics. Eg, linking process for C++, advanced topics in memory leakage detection and prevention. On the other hand, author spent too much energy describing linked data structure in terms of serialization. I personally don't think its relevance is higher than the advanced memory leakage issues. For seasoned professionals, this book can be used to refresh your knowledge. It is a beginner level to intermediate level book.

An older book that could be helpful to readers interested in this book is "Inside the C++ Object Model" by Stanley B. Lippman. It was written in 1996. It shows things such as the layout of C++'s organization of (pointers to) virtual and inherited methods.

This book was recommended to me by a colleague at work; I'm really glad I listened to his recommendation. While I've been programming in C/C++ since 1990 (other languages for two decades before then) I found the concepts/ideas put forward in this book to be very useful in improving my memory use habits. No matter how well you think you know memory management, you can learn something from this book. I only omit one star because some of the examples were not as clear as they could have been.

The viewpoint adopted by this book is an original one, while the insights range from the elementary to the very advanced. The material is well organized, the writing style is excellent, there are numerous examples and exercises. In a world dominated by C/C++ programming, it is a book that I think every professional programmer/computer scientist/software engineer could read with profit.

This book is far and away my favourite computer book. The author does very well at explaining memory concepts in C/C++ programs - concisely. The strength of this book is it makes clear all of those tricky questions that arise about pointers and more. Programming experts will likely know everything in this book, but everyone else should read it! Please ignore advice from other reviewers suggesting you can work all the concepts out for yourself. That's a sure way to remain confused and write buggy programs. I've owned this book for 7 years, and it well thumbed.

Some people have tremendous gifts for teaching and writing, I believe Franek is one of them, the content of the book is quite basic, but Franek's writing style and the way to ask tricky questions is way above average instructor/teacher, it simply taps your interest for more, another merit is the exercise of each chapter, all answers are published in author's website.

Excellent coverage of all the memory routines. Lucid explanation but could have added a few more illustrations. Nevertheless, a book that which must be read by all professional C & C++ programmers.

Gives great examples on how to use the memory but also describes the rationale behind it.

Recommended book for programmers.

[Download to continue reading...](#)

Memory as a Programming Concept in C and C++ Quantum Memory Power: Learn to Improve Your Memory with the World Memory Champion! Java: The Simple Guide to Learn Java Programming In No Time (Programming,Database, Java for dummies, coding books, java programming) (HTML,Javascript,Programming,Developers,Coding,CSS,PHP) (Volume 2) The Microsoft Guide to Managing Memory With MS-DOS 6: Installing, Configuring, and Optimizing Memory for MS-DOS and Windows Operating Systems Mosby's Fluids & Electrolytes Memory NoteCards: Visual, Mnemonic, and Memory Aids for Nurses, 2e Mosby's Pharmacology Memory NoteCards: Visual, Mnemonic, and Memory Aids for Nurses, 4e Mosby's OB/Peds & Women's Health Memory NoteCards: Visual, Mnemonic, and Memory Aids for Nurses, 1e Mosby's Assessment Memory NoteCards: Visual, Mnemonic, and Memory Aids for Nurses, 2e Mosby's Pathophysiology Memory NoteCards: Visual, Mnemonic, and Memory Aids for Nurses, 2e How to Learn & Memorize a Randomized Deck of Playing Cards ... Using a Memory Palace and Image-Association System Specifically Designed for Card Memorization Mastery (Magnetic Memory Series) How to Remember Names and Faces: Master the Art of Memorizing Anyone's Name by Practicing w Over 500 Memory Training Exercises of People's Faces | Improve ... (Better Memory Now | Remember Names Book 1) The Memory Code: The Traditional Aboriginal Memory Technique That Unlocks the Secrets of Stonehenge, Easter Island and Ancient Monuments the World Over How to Learn and Memorize English Grammar Rules: Using a Memory Palace Network Specifically Designed for the English Language, Magnetic Memory Series How to Learn and Memorize German Grammar: Using a Memory Palace Network Specifically Designed for German, Magnetic Memory Series How to Learn and Memorize Latin Vocabulary: Using a Memory Palace Specifically Designed for Classical Latin (Magnetic Memory Series) How to Learn and Memorize Arabic Vocabulary: Using a Memory Palace Specifically Designed for Arabic (Magnetic Memory Series) How to Learn and Memorize Italian Vocabulary...: Using a Memory Palace Specifically Designed for the Italian Language (Magnetic Memory Series) How to Learn & Memorize Legal Terminology: ...Using a Memory Palace Specifically Designed for Memorizing the Law & its Precedents (Magnetic Memory Series) The Project Management Memory Jogger (Second Edition) (Memory Jogger Series) How To Develop A Super Memory: Easy Techniques to Boost the Power of Your Memory! (Mind Growth Series Book 2)

[Dmca](#)