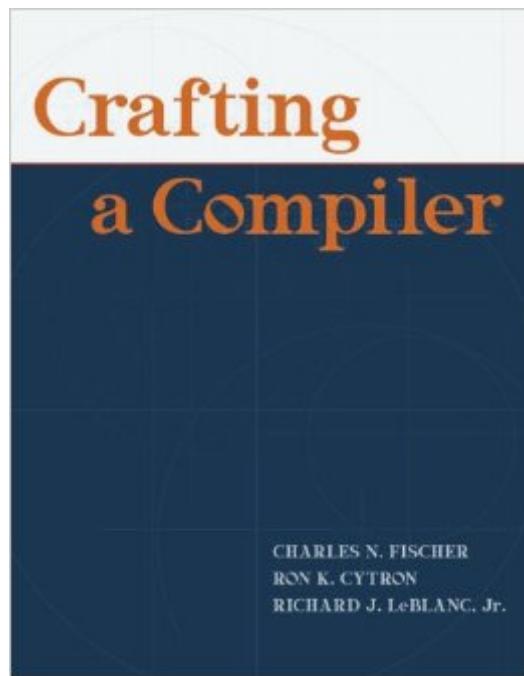


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# Crafting A Compiler



## Synopsis

Crafting a Compiler is a practical yet thorough treatment of compiler construction. It is ideal for undergraduate courses in Compilers or for software engineers, systems analysts, and software architects. Crafting a Compiler is an undergraduate-level text that presents a practical approach to compiler construction with thorough coverage of the material and examples that clearly illustrate the concepts in the book. Unlike other texts on the market, Fischer/Cytron/LeBlanc uses object-oriented design patterns and incorporates an algorithmic exposition with modern software practices. The text and its package of accompanying resources allow any instructor to teach a thorough and compelling course in compiler construction in a single semester. It is an ideal reference and tutorial for students, software engineers, systems analysts, and software architects.

## Book Information

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## Customer Reviews

I am 22. I found this rare book at a library sells, they were having a sell and sold this vbook for [money]. My interest at that time was compiler design. It was more out of curiosity, than for any real project. So, maybe this review is not from the perpsective of a professional, but a curious student 3 years ago. I did find this book to be rather incitive. This book is also heavy on terminology. As in the first chapter they give a detailed desciption of different classes of compilers. The second chapter goes into lexical analysis. And the next few chapters they give the student an excercise to write a small compiler, that is rather trivial. That is the plus of this book, they give excercises for the student. This book also has a chapter on scanning, which is the best I ever seen in any compiler

design book I have ever read. They talk about concepts of set theory as it relates to lexical analysis. Then they talk about regular expression and Finite automata. This book is a great read indeed, and very easy to read. There are quite a few chapters dedicated to parsing. In the chapters related to parsing they give a comparisons to Top Down and Bottom up parsing. They even go well known utilities like Yacc. The last few chapters go into depth chapter by chapter on implementing control structures: conditional, iterative, recursive. Even the appropriate runtimes, like code generation. There is even one chapter that goes into the fundamental Data Structures for a compiler. The last chapters is called "Parsing In The Real World". The code examples in this book are based off of a language the ADA-CS language. There is a brief tutorial of this language. But the code is just illustration, as they do not use a full language for the illustration.

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