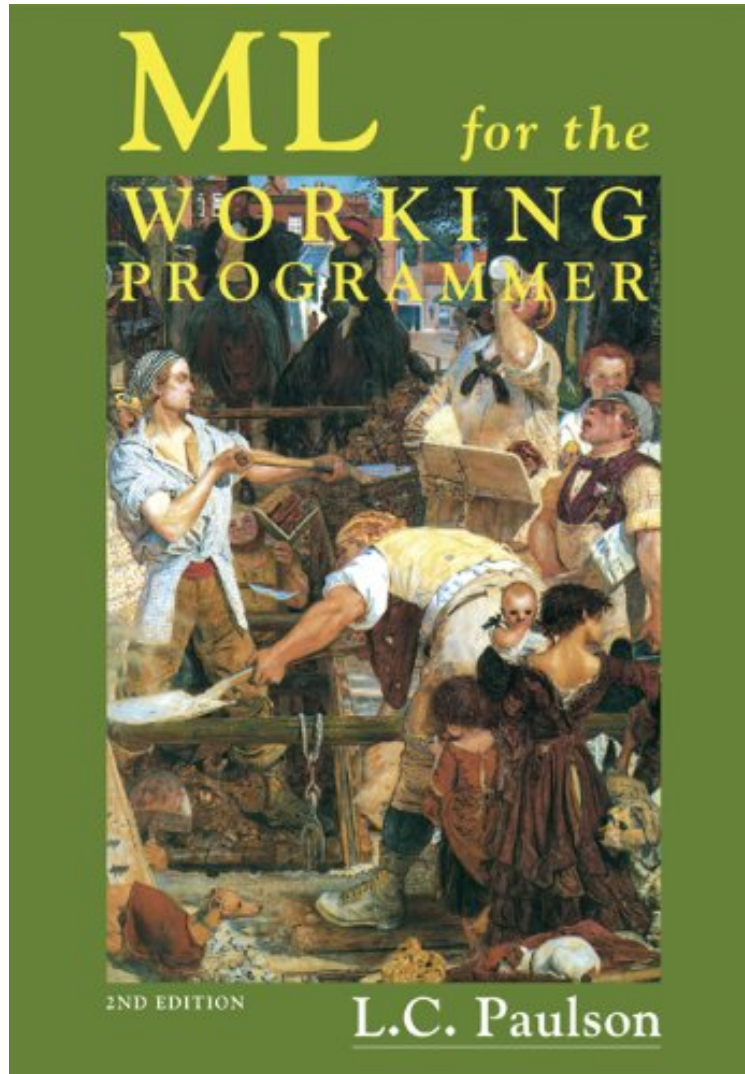


(Mobile book) ML for the Working Programmer

# ML for the Working Programmer

Von Larry C. Paulson

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**Von Larry C. Paulson : ML for the Working Programmer** before purchasing it in order to gage whether or not it would be worth my time, and all praised ML for the Working Programmer:

KundenrezensionenHilfreichste Kundenrezensionen3 von 3 Kunden fanden die folgende Rezension hilfreich. Good introductory book with some advanced chaptersVon Daniel BelovIf you want to know something about ML, but learn it through good examples and interesting problems. This is the book! Also has some neat chapters on automated theorem proving, logic and interpreters.

**Kurzbeschreibung** The new edition of this successful and established textbook retains its two original intentions of explaining how to program in the ML language, and teaching the fundamentals of functional programming. The major change is the early and prominent coverage of modules, which are extensively used throughout. In addition, the first chapter has been totally rewritten to make the book more accessible to those without experience of programming languages. The main features of new Standard Library for the revised version of ML are described and many new examples are given, while references have also been updated. Dr Paulson has extensive practical experience of ML and has stressed its use as a tool for software engineering; the book contains many useful pieces of code, which are freely available (via the Internet) from the author. He shows how to use lists, trees, higher-order functions and infinite data structures. Many illustrative and practical examples are included. Efficient functional implementations of arrays, queues, priority queues, etc. are described. Larger examples include a general top-down parser, a lambda-calculus reducer and a theorem prover. The combination of careful explanation and practical advice will ensure that this textbook continues to be the preferred text for many courses on ML.

**Pressestimmen** "Paulson is a leader in the field of computer-aided proof, and that field inspires the book's best examples, including a tautology checker, a parser, and a pretty good printer. There is a fascinating collection of search algorithms, which illustrate with good effect how ML can mimic 'lazy' evaluation. These examples culminate in a wonderful final chapter that presents a theorem prover, of just the kind ML was created to support....Paulson writes with vigour and with humour. The book is spiced with jokes and polemics....He minces few words, and as a result he occasionally overstates his case. But better to speak forcefully than to say nothing at all." Philip Wadler, Times Higher Education Supplement . "a readable guide to functional programming, which will take the reader through all the features of Standard ML, including exceptions, the module system, and imperative reference types...." Simon Thompson, Computing s . "the first available book that presents ML to a general audience. The author succeeds in explaining the features of ML in digestible chunks. Numerous examples are presented for illustration. Parts of the book, I think, go beyond the interests of a majority of working programmers, but programmers who continue their education (formally or otherwise) will find some interesting material to broaden their knowledge....Overall, I found this book to be informative and useful." Reginald Meeson, ACM SIGPLAN "If you are an experienced programmer who wants to learn Standard ML, then this is the text for you. The book succeeds on two levels: as an introduction both to the strengths of functional programming in general, and to the intricacies of Standard ML in particular. It is filled with well-crafted programs that reveal the tricks of the functional programmer's trade. There is a readable explanation of the sophisticated modules system, and danger signs warn you of the few remaining infelicities in the language.....There is a fascinating collection of search algorithms, which illustrate with good effect how ML can mimic 'lazy' evaluation. These examples culminate in a wonderful final chapter that presents a theorem prover, of just the kind ML was created to support....Paulson writes with vigour and with humor. The book is spiced with jokes and polemics." Philip Wadler, Times Higher Education Supplement

**ber das Produkt** The major change for the new edition of the successful text is the extensive use of modules. In addition, the first chapter has been totally rewritten to make the book more accessible to first year students. The main features of new Standard Library for the revised version of ML are described, and many new examples are given.