

OCaml Programming: Correct + Efficient + Beautiful

A textbook on functional programming and data structures in OCaml, with an emphasis on semantics and software engineering. This book is the textbook for CS 3110 Data Structures and Functional Programming at Cornell University. A past title of this book was “Functional Programming in OCaml”.

Fall 2021 Edition. For the most recent version of this work, see the most recent [CS 3110 course website](#).

Videos. There are over 200 YouTube videos embedded in this book. They can be watched independently of reading the book. Start with this [YouTube playlist](#).

Authors. This book is based on courses taught by Michael R. Clarkson, Robert L. Constable, Nate Foster, Michael D. George, Dan Grossman, Daniel P. Huttenlocher, Dexter Kozen, Greg Morrisett, Andrew C. Myers, Radu Rugina, and Ramin Zabih. Together they have created over 20 years worth of course notes and intellectual contributions. Teasing out who contributed what is, by now, not an easy task. The primary compiler and author of this work in its form as a unified textbook is Michael R. Clarkson, who as of this edition is the author of about 40% of the words and code tokens.

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