

Software Development Using Eiffel, by Richard Wiener, Prentice Hall, 1995, ISBN 0-13-100686-X, 425 pages.

The intent of this book is to provide readers with an alternative language to C++. It introduces Eiffel along with object oriented analysis and design utilizing the Booch'94 methodology.

Chapter topics are intro to Eiffel, classes and objects, correct programs, generic container classes, inheritance, polymorphism, and C++ versus Eiffel. In addition to these chapters, included are case studies in object oriented analysis and design, an ecological simulation project, a heuristic game project, and a simulated annealing project.

This book is not the standard introduction to Eiffel, as it admits in the Preface. But it is a very good complement to it. In my opinion, this book is a good mix of: an introduction to OOA, the overview of the language Eiffel with a substantial amount of sample source code, and case studies in different areas of computer science. This book is intended for those persons seeking an alternative to C++ or Smalltalk. It is assumed the reader has had an introduction of object oriented concepts.

In summary, I found this book to be very informative, easy to read and understand, and professionally written and prepared.

Reviewed by Ronald B. Finkbine, Ph.D.