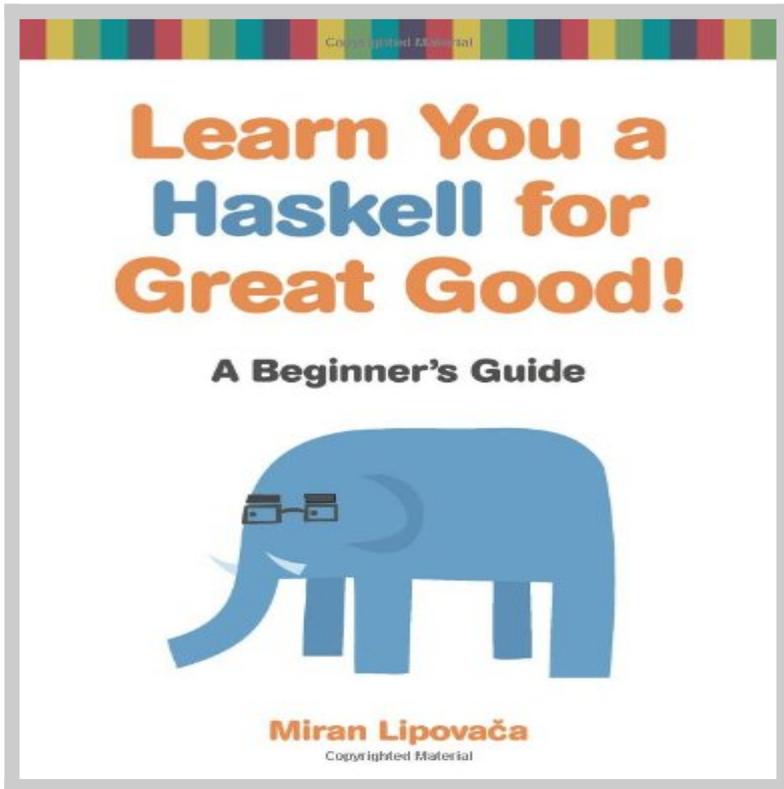# Free Download Learn You Haskell Great Good



**Download Learn You Haskell Great Good book** written by Miran Lipovaca. **Read book online with ISBN 9781593272838** which relesead on 2011-04-21 and published by No Starch Press. This is one of the best Languages & Tools book that contains 400 pages.

## Read Now

# Learn You Haskell Great Good Book Preview

It's all in the name: *Learn You a Haskell for Great Good!* is a hilarious, illustrated guide to this complex functional language. Packed with the author's original artwork, pop culture references, and most importantly, useful example code, this book teaches functional fundamentals in a way you never thought possible.

You'll start with the kid stuff: basic syntax, recursion, types and type classes. Then once you've got the basics down, the real black belt master-class begins: you'll learn to use applicative functors, monads, zippers, and all the other mythical Haskell constructs you've only read about in storybooks.

As you work your way through the author's imaginative (and occasionally insane) examples, you'll learn to:

- Laugh in the face of side effects as you wield purely functional programming techniques
- Use the magic of Haskell's "laziness" to play with infinite sets of data
- Organize your programs by creating your own types, type classes, and modules
- Use Haskell's elegant input/output system to share the genius of your programs with the outside world

Short of eating the author's brain, you will not find a better way to learn this powerful language than reading *Learn You a Haskell for Great Good!*

**Excerpt from the Introduction**

**Haskell is fun, and thatâ€™s what itâ€™s all about!**

This book is aimed at people who have experience programming in imperative languagesâ€”such as C++, Java, and Pythonâ€”and now want to

try out Haskell. But even if you don't have any significant programming experience, I'll bet a smart person like you will be able to follow along and learn Haskell.

My first reaction to Haskell was that the language was just too weird. But after getting over that initial hurdle, it was smooth sailing. Even if Haskell seems strange to you at first, don't give up. Learning Haskell is almost like learning to program for the first time all over again. It's fun, and it forces you to think differently.

**NOTE**
*If you ever get really stuck, the IRC channel* #haskell *on the freenode network is a great place to ask questions. The people there tend to be nice, patient, and understanding. They're a great resource for Haskell newbies.*

**So, What's Haskell?**



Haskell is a *purely* functional programming language.

In *imperative* programming languages, you give the computer a sequence of tasks, which it then executes. While executing them, the computer can change state. For instance, you can set the variable a to 5 and then do some stuff that might change the value of a. There are also flow-control structures for executing instructions several times, such as for and while loops.

Purely functional programming is different. You donâ€™t tell the computer what to doâ€"you tell it what stuff is. For instance, you can tell the computer that the factorial of a number is the product of every integer from 1 to that number or that the sum of a list of numbers is the first number plus the sum of the remaining numbers. You can express both of these operations as functions.

> Read the Introduction (PDF) in its entirety.

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