



## Treading on Python Series: Intermediate Python Programming: Learn Decorators, Generators, Functional Programming and More

By Matt Harrison

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Python is easy to learn. You can learn the basics in a day and be productive with it. But there are more intermediate and advanced Python constructs that you will eventually run across if you spend enough time with it. These "Pythonic" constructs, while not necessary per se, allow you to be more succinct, re-use code, and think about code in a different way.

This book covers many of these intermediate constructs and serves as a reference for:

- \* Functional Python programming
- \* List comprehensions
- \* Generator expressions
- \* Set & dict comprehensions
- \* Iteration
- \* Generators
- \* Closures
- \* Decorators

I have taught these constructs at popular tutorials at PyCon and other conferences. This book is based on my experience teaching and using Python for many years. I hope you learn something while in the course of your reading. Maybe it will help you in your next task, code review, or job interview.

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### Editorial Review

Review

I thought it was intriguing and ended up learning some new tricks that I hope to implement in my own code soon.

...

**You'll almost certainly pick up something new just in the first section.** If you don't know much about generators, iterators or decorators in Python, then this book will help you figure it out and hopefully give you ideas of how you could use them in your code. **I know I learned a few things (and probably re-learned a few others!).**

- *Mike Driscoll - [blog.pythonlibrary.org/](http://blog.pythonlibrary.org/)*

About the Author

#### About Matt Harrison

Matt Harrison has over a dozen years of Python experience across the domains of search, build management and testing, business intelligence and storage. *He has presented and taught tutorials at conferences such as Strata, SCALE, PyCON and OSCON as well as local user conferences.* The structure and content of this book is based off of first hand experience teaching Python to many individuals.

He blogs at [hairysun.com](http://hairysun.com) and occasionally tweets useful Python related information at @\_\_mharrison\_\_.

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