

# Pythonic Test-Driven Development

# Welcome

I'm your host, Aaron Maxwell.

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In this class, you learn a **superpower**: how to write automated tests in Python.

# How we will proceed

## Download courseware ZIP:

- Click on the green "Resource List" icon
- Or fetch from: <https://powerfulpython.com/courseware-tdd.zip>

## What's included:

- PDF course book
- Slides
- README.txt with pointers
- Labs (i.e., programming exercises - more on that later)

Give you a break every hour (10 minutes).

Give me a thumbs up. (Let's try it now)

Ask questions anytime.

# Python versions

Most code I show you will run in both Python 2 and 3.

Where it's different, I'll code in Python 3, and point out the differences.  
(There won't be many.)

You can do the programming exercises in either 3, or 2.7.

# What makes perfect?

Practice, practice, practice.

- Practice syntax (typing things in)
- Practice programming (higher-level labs)

I expect you to do your part!

You **exponentially** get out of this what you put into it.

**GO FOR IT.**

# Running the labs

**Labs** are the main programming exercises.

When done, click the thumb's up, and give a HIGH FIVE in the chat room.

**Then:** Move on to the extra credit.

# Getting the most

We'll take some class time for each lab. You may not finish, but it's **critically important** that you at least start when I tell you to.

After we're done for the day, find time to finish all the main labs before tomorrow.

Solutions are provided. Use them wisely, not foolishly:

- After you get the lab passing, compare your code to the official solution.
- Other than that, don't look at them if you can avoid it.
- The more work you can do on your own, the more you will learn. Peek at the solution to get a hint when you really need it.

Optional (**only** for future master Pythonistas): Do all the extra labs as well, as soon as you can manage.