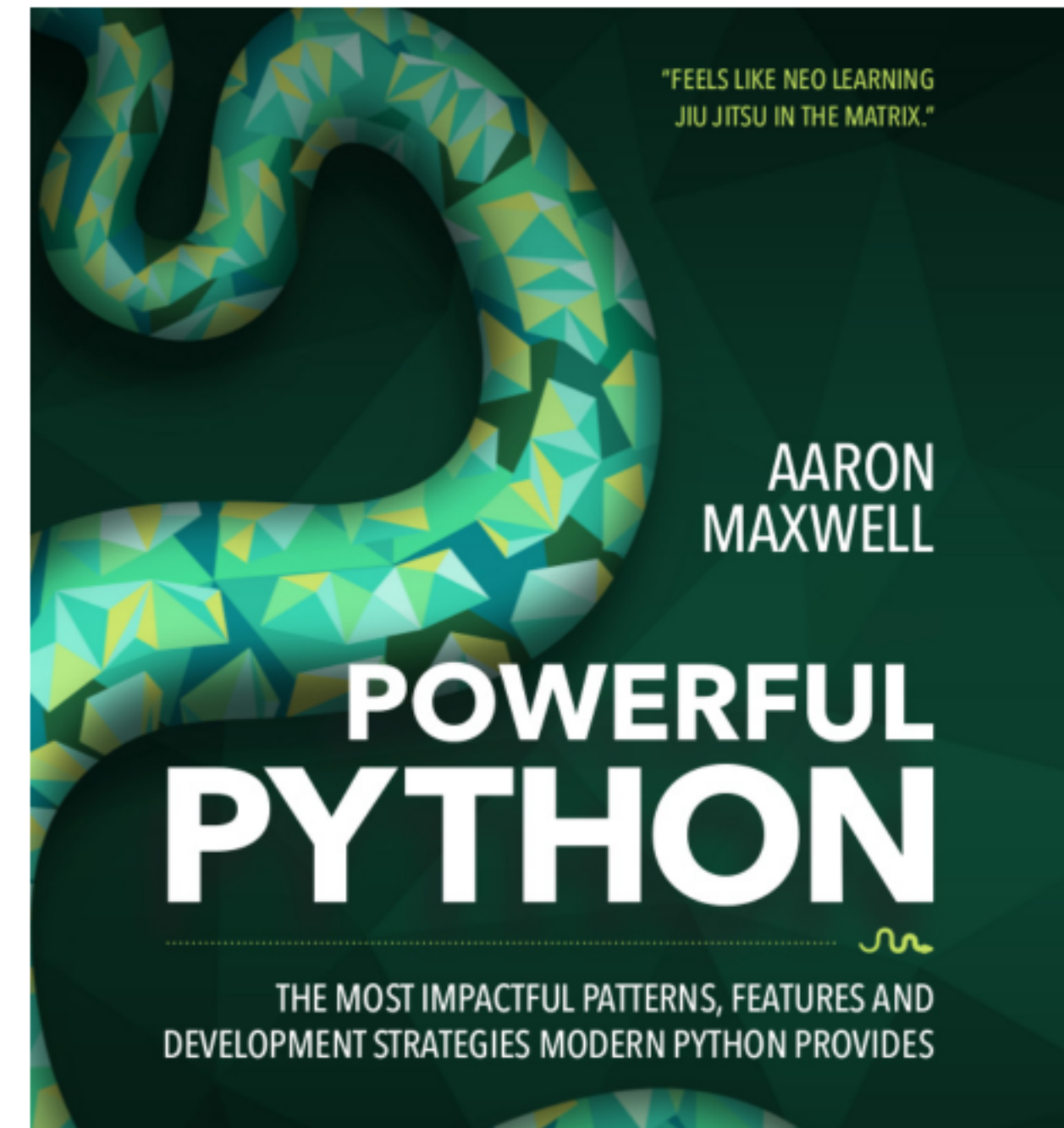


# **Pythonic Object-Oriented Programming**

# Welcome

I'm your host, Aaron Maxwell.

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Our focus in this class: Understanding Python's object model... and the object-oriented concepts you need to get the most out of it.

# How we will proceed

Download courseware ZIP:  
Courseware-OOP.zip

What's included:

- Slides
- Text files
- Labs (i.e., programming exercises - more on that later)

# What makes perfect?

Practice, practice, practice.

To give you the ABILITY to do useful, valuable things you could not do before.

- 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.

# Running the labs

Labs are the main programming exercises. You are given a failing automated test; your job is to write Python code to make it pass.

Simply run it as a Python program, any way you like. (For example, `"python3 helloworld.py"`)

Run unmodified first, so you can see the failure report.

When done, congratulate yourself! (Ideally, find someone to high-five.)

Optionally: Move on to the extra credit.

# Lab Demo

Here's how it works.

# Solutions

You have solutions! Use them wisely, not foolishly:

- After you get the lab passing, compare it to the official solution. Is it different?
- Other than that, don't look at the solution if you can avoid it.
- If you need help on a lab, peek at the solution - just enough to make your light bulb go off!
- The more you do on your own, the more you will learn. Peek at the solution to get a hint when you really need it.

# Lab: helloworld.py

Now it's your turn! Do your first lab now: `helloworld.py`

- In `labs` folder in the courseware

Instructions are in `LABS.txt` in the courseware.  
You'll know the tests pass when you see:

```
*** ALL TESTS PASS ***  
Give someone a HIGH FIVE!
```