

LEARN TO CODE

Step 1: [Make a Website Course on Codecademy](#)

- Make a website will teach you how to build your own website using HTML and CSS
- It's great because it's like playing a game: markup a table - it appears on the screen, change text color - it immediately changes

Additional Resources:

- [Web Development Tools on Khan Academy](#)
 - Great course that introduces you to browser developer tools and teaches you how to host a website
- [Learn more on webpage design on Khan Academy](#)

Step 2: [Learn How to Code on Codecademy](#)

- This course introduces you to basic programming fundamentals like *variables, for loops, control flow*
- Want to learn more about HTML5? Do [this tutorial](#)

Additional course: [Learn to Program: The Fundamentals](#)

- Free Coursera course from University of Toronto. Introduces additional programming fundamentals in Python.

Step 3: [Build your first project - Twitter Bot \(similar tutorial with exception handling\)](#)

- Time to build something yourself! This simple tutorial will teach you how to make a bot that will post on your Twitter account automatically reading from a .txt document you create
- You will apply your newly acquired Python knowledge

If you don't understand something related to Python, go to python.org, I would recommend you to read through the docs on official Python website regardless - great source of information!

Additional Twitter Bots you can work on:

- [Bot, posting images with rearranged pixels](#)
- [Bot, generating random text from a provided text file](#)

Step 4: [Learn Algorithms and Data Structures Fundamentals on Coursera](#)

- Fantastic course from Princeton University, completely free!
- Also great for coding interview preparation

Additional course: [Algorithms Part 2 on Coursera](#)

- If you want to go more in depth in theory and algorithms, take this course to learn about Dijkstra's algorithm, tries, spanning, trees, etc. Same instructor as Algorithms Part 1 course.

Step 5: [Start working on a Python TODO app using Django!](#)

- Try to first make the app yourself, or at least think about how you'd build it. And **ONLY THEN** follow the tutorial.

[More about Django](#)

Alternative tutorial: [Building a Python TODO app with Django](#)

Studying for coding interviews

[Elements of Programming Interviews in Python: The Insider's Guide](#)

[Cracking the Coding Interview: 189 Programming Questions and Solutions](#)

[Algoexpert - 65 video explanations of popular coding interview questions in various programming languages](#)