Getting Started:

1. Learn Bash Terminal: Learn Python the Hard way Appendix: Command Line Crash Course
2. Get a Github Account: [https://github.com](https://github.com/)
3. Learn Git Basics: <https://teamtreehouse.com/library/git-basics>
4. Learn Python Basics: Python Crash Course by Eric Matthes. Part I (Basics)
5. Learn HTML/CSS <https://teamtreehouse.com/library/how-to-make-a-website>
6. Learn Javascript Basics: <https://teamtreehouse.com/library/javascript-basics>
7. Learn Jquery Basics: <https://teamtreehouse.com/library/jquery-basics-2>
8. Learn Database Basics: <https://teamtreehouse.com/library/using-databases-in-python>
9. Learn Django: https://teamtreehouse.com/library/django-basicsUse Digital Ocean Servers &
10. Deploy a Django App: <https://www.digitalocean.com/community/tutorials/how-to-set-up-django-with-postgres-nginx-and-gunicorn-on-ubuntu-16-04>
11. Learn Testing and Automatic Deployment: <http://www.obeythetestinggoat.com/book/part1.harry.html>

Later…

1. Build a bunch of web apps.
2. Get better at HTML & CSS: [http://www.](http://www.htmlandcssbook.com/)
3. Try out a web framework other than Django (I suggest Flask)
4. Get better at Javascript: [https://www.](https://www.safaribooksonline.com/library/view/javascript-the-good/9780596517748/)
5. Learn a Javascript Framework: AngularJS or BackboneJS
6. Build more apps

Bonus

1. Read the Git Book: <http://git-scm.com/book/en/v2>
2. Look up and learn these topics
3. What is caching and how do I do it
4. Install Varnish or Nginx on a server and use it for caching
5. What is a load balancer?
6. Research and implement a load balancer
7. How do I scale a high traffic site?
8. Read the book "Big Data" by Manning Publishers
9. Read a book on Nginx (Packt Publishing)
10. Read a book on Postgres (O'Reilly Publishing)
11. What is Docker
12. Implement Docker: [https://docs.docker.](https://docs.docker.com/)
13. What is a Virtual Machine and what are some examples?
14. Open an account on Amazon Web Services and deploy an app there
15. What is a NoSQL database and how is it different from a SQL database?
16. Implement a small project using the NoSQL databse called Cassandra
17. What is a pure function?
18. What is functional programming
19. Implement a small project using mostly python functional programming tools: [https://docs.python.](https://docs.python.org/2/howto/functional.html)
20. What is PyPi and how do you interact with it?
21. What is a Python Egg? Create a Python Egg. [https://packaging.python.](https://packaging.python.org/en/latest/)com
22. What is Python Wheels?
23. What is the difference between Python 2 and Python 3?