Python is one of the most widely used programming languages on Earth right now. In science, in industry, and in high school robotics clubs around the world. You, too, can learn to wield this mighty Python power. I'm sick as a dog as I type this, so if what I'm saying sounds silly, it's probably the NyQuil talking. freeCodeCamp has published dozens of Python video courses, but this week I wanted to share something for the folks who prefer good old fashion book learning. (full-length book): <https://www.freecodecamp.org/news/learn-python-book/>

Pytorch is a popular framework for doing Machine Learning in Python. You can use it to build data models, then ask questions of those models. If you're interested in Data Science, and know a bit of Python, this course is a solid place to start your journey. You'll code along at home as you learn about Datasets, Neural Networks, Computer Vision, and more. (26 hour YouTube course): <https://www.freecodecamp.org/news/learn-pytorch-for-deep-learning-in-day/>

This course will teach you User Experience Design best practices. You'll learn the design thinking methodology of Stanford's famous d.school, and build prototypes in Figma. This is a beginner-level course and does not require any prior programming experience. (2 hour YouTube course): <https://www.freecodecamp.org/news/use-user-reseach-to-create-the-perfect-ui-design/>

If you want to build your own video game with 3D graphics, you can use the Unreal Engine and its powerful Blueprint Visual Scripting system. This course for beginners will show you how to trigger events like game over, and even some basic level design. (2 hour YouTube course): <https://www.freecodecamp.org/news/unreal-engine-5-crash-course-with-blueprint/>

This course by computer science professor and entrepreneur Shad Sluiter will teach you business essentials for developers. You'll learn the basics of product development, agile project management, marketing, and more. (8 hour YouTube course): <https://www.freecodecamp.org/news/learn-how-to-build-apps-from-a-business-perspective/>

The popular Bootstrap responsive design framework just hit Version 5.0. This course will teach you how to make your websites and apps look good on any device size, without having to write a lot of your own custom CSS. (3 hour YouTube course): <https://www.freecodecamp.org/news/full-bootstrap-5-tutorial-for-beginners/>  
  
In the movie Iron Man, Tony Stark has a friendly artificial intelligence named J.A.R.V.I.S. who helps him get things done. You can build your own AI helper in Python with the help of this fun tutorial. (30 minute read): <https://www.freecodecamp.org/news/python-project-how-to-build-your-own-jarvis-using-python/>

This course will teach you about the 4 most popular types of NoSQL databases: key-value, tabular, document, and graph. freeCodeCamp teacher Ania Kubow will walk you through how to build these databases. You'll leverage each one's interface layer, execution layer, and storage layer. (3 hour YouTube course): <https://www.freecodecamp.org/news/learn-nosql-in-3-hours/>  
  
If you know how to use Microsoft Excel, you already have one of the most powerful data analysis tools at your disposal. This course will help you pair Excel with Python to build pivot tables, Jupyter Notebooks, and other data analysis artifacts. (4 hour YouTube course): <https://www.freecodecamp.org/news/data-analysis-with-python-for-excel-users-course/>

Are you familiar with Stratified Random Sampling? This Python tutorial will show you how you can separate your data into strata based on a particular characteristic before you do your sampling. You may find this helpful the next time you're doing some data analysis. (13 minute read): <https://www.freecodecamp.org/news/what-is-stratified-random-sampling-definition-and-python-example/>

The freeCodeCamp community just dramatically expanded our Learn to Code RPG video game. Learn to Code RPG is an interactive visual novel game where you teach yourself to code, make friends in the tech industry, and pursue your dream of working as a developer. The game features a quirky cast of characters, a charming cat, and more than 1,000 computer science quiz questions. While working as a developer in the game, you can unlock more than 50 achievements and 6 different endings. You can play the game on PC, Mac, Linux, and Android. I enjoyed working with Lynn, KayLa, and Nielda on this all year long. We're excited to get it to you in time for the holidays. Enjoy. (full-length video game): https://www.freecodecamp.org/news/learn-to-code-rpg-1-5-update/

<https://careerfoundry.com/en/courses/become-a-ux-designer/>

<https://www.freecodecamp.org/news/how-to-build-a-minimum-viable-product/>

Pavlos