TECHNICAL RESOURCES

Web Development

HTML & CSS is Hard (But it doesn't have to be) - A friendly web development tutorial for complete beginners.

Introduction to Bootstrap - The official bootstrap documentation. Get started with Bootstrap, the world's most popular framework for building responsive, mobile-first sites.

Create React App - Set up a modern web app by running one command.

Material UI - React components for faster and easier web development. Build your own design system, or start with Material Design.

Foundations of Web Development - This is where it all begins! A hands-on introduction to all of the essential tools you'll need to build real, working websites.

What is React? - What is React, and why should I use it? This short video will answer these questions.

React Tutorial for Beginners - Learn to build fast web apps with React from scratch. This two-hour course will teach you React from the ground up.

Introduction to React - The official React tutorial. The techniques you'll learn in it are fundamental to building any React app, and mastering it will give you a deep understanding of React.

The Complete React Tutorial - In this course you'll be learning what React is and how to use it to make awesome, reactive web applications. You'll also look at how you can use Redux to help with your app's state management.

Github

What is GitHub? - Ever wondered how GitHub works, or what it's used for? Let's see how Eddie and his team use GitHub in the real world.

GitHub "Hello World" - The easiest way to get started with GitHub. In this guide you'll complete a time honored "Hello World" exercise, and learn GitHub essentials.

Git & Github Tutorial for Beginners - In this Git tutorial you'll learn why you should be using git for all of your projects, and the benefits of doing so.

Git Cheat Sheet - Use this handy git cheat sheet guide to enhance your workflow. This Git cheat sheet saves you time when you just can't remember what a command is.

Python

Python Like You Mean It - A lean, one-stop resource for learning the essentials of Python from scratch. The user will walk away with a solid understanding of a substantial core of the language and its premiere numerical library, NumPy.

The Ultimate Python Beginner's Handbook - In-depth guide from installation of Python to basic classes, inheritance, and object-oriented programming (OOP).

Machine Learning

NumPy Quickstart - Assumes core knowledge of Python, but covers basic matrix programming with NumPy in a quick easy-to-understand format.

Tensorflow Tutorials - Tensorflow has amazing documentation for everyone from machine learning newcomers to advanced users looking to explore a new topic. These tutorials cover individual tasks, whereas the documentation dives deeper into individual classes and functions.

Tensorflow Documentation - A deep dive into everything one can do in Tensorflow, but almost overwhelming. For beginners, try looking at tutorials and using the documentation to research specific parts of the API.