AYMAN AHMED

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aymanahmed.com </>

New York 📍

Education

New York University
2019 - Expected 2021

Tandon School of Engineering.
BS in Computer Science.
Coursework: OOP, Computer Architecture, Design & Analysis of Algorithms

St. John's University
2017 - 2019
GPA: 3.5

Coursework: Discrete Math, Networking, Data Structures, Software Design Methods

Stuyvesant High School
2013 - 2017

Coursework: AP Computer Science, Software Development, Systems Level Programming, Computer Graphics

Work Experience

The Coder School
Dec. 2019 - Current

Instructor / Coach

- Teaching students from ages 7-18 how to code in various languages
- Languages taught involve Scratch, Python, Javascript, Java, and C++

St. John's University
June. 2018 - Sept. 2018

Research Assistant

- Created software that creates, executes, and organizes machine learning studies
- UI was built with React, Redux, and Electron, and used AWS Cognito for accounts
- The backend was an API built with Python Flask, using AWS S3 for data storage

Skills

Languages: Python, Java, C, C++ (Arduino), LISP (Elisp, Racket), Bash Scripts, HTML/CSS/JS, LaTeX
Frameworks: Flask, Processing, jQuery, React, React Native, Redux, Electron, Webpack, NodeJS
Tools: Git, Bash, AWS, Emacs, MySQL, MongoDB, GraphQL, AutoCAD, Adobe Illustrator

Projects

Innovation Lab Sensors
Jan. 2017 - Jun. 2017

- Programmed two Arduinos to measure O2, CO2, and air quality levels.
- Code was written in C++, and Java (Processing) was used to create an interactive GUI that visualized sensor data