


AYMAN AHMED

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New York 

Education

New York University (NYU)

2019 - Jan. 2022

Tandon School of Engineering

BS in Computer Science

Courses: Data Structures, OOP, Software Dev, Artificial Intelligence, Machine Learning

Experience

Operating Systems TA

May 2020 - May 2021

New York University

- Set up labs and office hours to assist 60+ students with programming assignments and exams
- Code reviewed and provided feedback for C/Assembly assignments
- Worked with Anubis, a distributed LMS with an autograder and cloud IDE solution for students

CS Research Assistant

May 2018 - May 2019

St. John's University

- Analyzed brain signal data from patients for a machine learning study
- Organized and manage data using AWS and an SQL database

Programming Instructor

Jan. 2021 - Current

TheCoderSchool

- Mentored and taught students of all ages in C, Python, Java, HTML/CSS, and Javascript
- Instructed students to create unique projects such as games, websites, and applications
- Taught students the basics of data structures and common sorting/search algorithms

Projects

Neurogaze

- 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 Flask, using AWS S3 for data storage

IOT Sensor Network

- Sensor programming to detect O2 and CO2 levels in multiple different labs
- Created a visual interface in Processing to show the data in real time
- Sensor data collection and processing was done in C++20

Skills

Languages: Python, Java, C, C++, LISP, HTML/CSS, Javascript, LaTeX, SQL

Frameworks: Flask, jQuery, React, Electron, NodeJS

Tools: Git, Bash, AWS, Emacs