



# AYMAN AHMED

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New York 

## Education

### New York University (NYU)

2019 - May. 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 managed 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 sorting/search algorithms

## Projects

### Neurogaze

- Created software that executes and organizes machine learning studies
- Built a user interface with React, Redux, and Electron
- Used AWS Cognito for account management
- Made an API as the backend using Flask, with 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