

Education

Northeastern University, Boston, MA

Sep 2019 - May 2023

- **Degree:** BSc in Computer Science
- **Academics:** GPA: 3.6/4.0 | Dean's Scholarship | Dean's List | QuestBridge Finalist

Work Experience

Software Engineer Incoming Intern
Capital One, McLean, VA

Jun 2022 - Aug 2022

Software Developer Co-op
Bayer, West Sacramento, CA (Remote)

Jun 2021 - Dec 2021

- Developed web applications for data visualization/analytics; automated the workflow of scientists
- Communicated with end-users to gather feedback for improvements; suggested ideas and gave demos
- Implemented CI/CD using GitHub, CodeBuild, Docker, and AWS Fargate with Load Balancers
- Collaborated with data engineers on managing data and building data pipelines
- Wrote Python ETL scripts to update and integrate data in PostgreSQL databases (Amazon RDS)

Teaching Assistant CS 2810

Jan 2021 - May 2021

Khoury College of Computer Sciences, Boston, MA

- Held office hours for a course about Python, linear algebra, and statistics
- Assessed 300+ students and provided feedback on assignments and exams
- Collaborated with professor and TAs to provide academic support

Resident Assistant

Aug 2020 - Dec 2021

Northeastern University, Boston, MA

- Served as a leader, role model, peer counselor, and advocate for 400+ student residents
- Collaborated with a team to develop an environment conducive to learning and growth
- Upheld community health and safety standards, especially during a pandemic

Skills

Languages: Python, Java, SQL, JavaScript/TypeScript

Tech & Tools: Git, Linux/Ubuntu, Plotly Dash, Jupyter Notebook, Amazon Web Services (AWS), Docker, Jira

Projects

Discord Bots (Personal) - Python, TypeScript, SQLite

- Built bots to help manage a large Discord community of 100,000+ members
- Designed database schema to maintain member leaderboards and update/retrieve user information
- Implemented a "Chat Roulette" so that members can join random, fun conversations
- Bots monitor the text channels 24/7 and automatically flags inappropriate messages or spam
- Bots have utilities that automate many aspects of the community such as granting newcomers roles

DetectiveASL (Group) - OpenCV, Keras, Scikit-learn, Pandas, Matplotlib

- Utilized Convolutional NN, Random Forest, and Adaboost to classify images of American Sign Language
- Designed Convolutional NN architecture with convolutional layers each followed by a max pooling layer
- Applied a DropOut layer to prevent overfitting, and achieved 99% testing accuracy and F1-score of 0.99

DataBaste (Group) - Java, Python, MySQL

- Built a recipe search application allowing for customized culinary exploration
- Scraped data from recipe websites and designed data tables using MySQL database
- Developed back-end API using JDBC and integrated it with front-end Java Swing GUI