Boston, MA
jiang.yi1@northeastern.edu

Yi (Ethan) Jiang

Available: Aug - Dec 2022

linkedin.com/in/jiangy1 **in**
github.com/jiangoz
jiangoz.github.io

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

Work Experience

Software Engineer Incoming Intern   **Jun 2022 - Aug 2022**
Capital One, McLean, VA

Applications Developer Co-op   **Jun 2021 - Dec 2021**
Bayer, West Sacramento, CA (Remote)

- Built data visualization tools and analytics applications for crop scientists
- Collaborated with end-users to gather feedback for improvements
- Implemented CI/CD pipeline with GitHub, CodeBuild, and Docker
- Deployed Flask applications on AWS using Fargate and 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, HTML, CSS, JavaScript
Tech & Tools: Git, Linux/Ubuntu, Plotly Dash, Jupyter Notebook, Amazon Web Services (AWS), Docker, Jira

Projects

Discord Bots (Personal) **-** Python, JavaScript, SQLite

- Built bots to help manage a large Discord community of 100,000+ members
- Utilized SQLite database to update and retrieve user information
- Deployed bots using Linux VPS (virtual private server) and Raspberry Pi
- 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