RASHEL ROJAS

New York, NY | (347) 251-5240

rdr2139@columbia.edu | https://www.linkedin.com/in/rashelrojas/ | https://github.com/rashelrr

EDUCATION

Columbia University   May 2023
Bachelor of Science in Computer Science   New York, NY
- GPA: 3.5
- Honors: Dean's List
- Coursework: Data Structures in Java, Intro to Python, Clean Object-Oriented Design in Java, Advanced Programming in C, Analysis of Algorithms, Intro to Databases, Operating Systems, Multivariable Calculus

TECHNICAL SKILLS

Programming Languages: Python, Java, C, JavaScript, MySQL, Django, Flask, Jinja, HTML, CSS, Slang, Go
Software/Tools: Git, Postman, Docker, OpenCV, Neo4j, MongoDB, VMware, OpenShift Container Platform

PROGRAMMING EXPERIENCE

Major League Hacking Fellowship   Jun 2022 – Aug 2022
MLH Production Engineering Fellow Summer 2022 (Meta)   Remote
- Completed 12-weeks of structured curriculum-based learning covering core Production Engineering topics, supplemented with events/workshops hosted by industry experts
- Created an open-source personal portfolio website template using **Python**, **MySQL**, **Jinja**, **Flask**, **JavaScript**, **Docker**, **Nginx**, and unittest with automated testing and deployment workflows using **CI/CD**
- Set up system and container monitoring, alerting, and visualization using **Prometheus** and **Grafana**

Goldman Sachs   Jun 2021 – Aug 2021
Engineering Summer Analyst, Global Markets Division   Dallas, TX
Global Credit Technology Team
- Optimized storage system of a pre-trade analysis tool called Troodon, which generates and stores Bond Analysis Worksheets (BAWs) into a local folder used by the CLO Secondary Trading desk of 15 traders
- Created a Procmon script in **Slang** (GS proprietary language) to transfer BAWs older than 2 years from local to cloud storage in Goldman Sachs' main cloud storage system, OBS2
- Successful in freeing up hundreds of gigabytes of space, which came at a crucial time considering local storage was at 90% capacity and the recent uptick in CLO trading

GMD Managed Data Services Team
- Enhanced Goldman Sachs Marquee Data APIs to provide new API parameter to allow clients to filter assets from their composite asset collections using **Java**, Vert.x, IntelliJ, and GitLab
- Learned about financial data referencing and cross identifiers

Red Hat   May 2020 – Aug 2020
Software Engineering Intern, Middleware Integration Team   Boston, MA
- Worked under Babak Mozaffari on a team of 13 software engineers on the development of OpenShift / Kubernetes operators for Red Hat and upstream open-source products
- Implemented CR/CRD validation and ConsoleLink creation for 5 operators (3scale, Teiid, Apicurio, Hawtio, Syndesis) using **Go** and verified operator deployment via the OpenShift Container Platform

PROJECTS

COMS W4735: Computer Vision Course, Final Project   Apr 2023 – May 2023
- Built a program to create Google Calendar events given photos of flyers using **Python, OpenCV, Pytesseract**

Latin Music Networking App   Jun 2022 – Aug 2022
- Developed backend API for a Latin music networking app using **Django**, **Python**, **MySQL**, and **Postman**

Social Movement Tracker, *Google Software Product Sprint*   Feb 2021 – May 2021
- Collaborated with a team of peers to design a web application that serves as a community-made resource guide for ongoing social movements using **Java**, **JavaScript**, **HTML/CSS** over the course of 10 weeks, leveraging various **Google Cloud Platform** APIs, including **App Engine** and **Datastore**
- Implemented the backend to allow users to submit new social movements and to pull popular tweets related to each social movement using the **Twitter API** and Twitter4J library