ANDREW ROJAS

andrew.m.rojas@gmail.com (626) 991-1531 github.com/amrojas

Education

Johns Hopkins University | M.S.E. Computer Science May 2021

- Completing 5-year combined BS/MSE program

Johns Hopkins University | Dual B.S. Computer Science & Math – 3.79/4.0 May 2020

- Minor in Entrepreneurship & Management
- Clark Scholar (full need grant) chosen for academic achievement, leadership, and service
- Computer Science Department Service Award – For service to department and community

Skills

Programming Languages: C, C++, Python, PHP, Java, SQL, JavaScript

Technologies: flask, DynamoDB, scikit-learn, NumPy, Docker, git, CUDA, Unix/Linux, REST APIs, regex

Experience

Lyft | High Value Drivers SWE Intern June 2020 – Current

- Constructing microservice for Lyft Loyalty Rewards to be used by more than 1 million drivers
- Worked remotely with team to identify and retain the most valuable drivers to Lyft platform

NVIDIA | Enterprise Experience SWE Intern May 2019 – August 2019

- Built Salesforce synchronization service to simplify firmware upgrade experience
- Automated engineering workflow by deploying DGX analysis tool for customer support cases

Johns Hopkins University | Course Assistant January 2019 – Current

- Algorithms (2x), Operating Systems (1x)

PatientPop | EMR Integrations SWE Intern May 2017 – May 2019

- Accelerated release testing by up to 70% by creating data seeding API and OOP interface
- Created full-stack system to support new appointment type for integrated customers
- Worked part-time remotely for 2 school years

JHU Association for Computing Machinery (ACM) | President January 2017 – May 2020

- Plan career-development and community events with department and Women in CS (WiCS)
- Organize ICPC competition (Mid-Atlantic site) @ JHU by serving as Co-Site Director

Projects

- **Semi-supervised Manifold Learning:** Implemented machine learning model based on manifolds as part of data science project. Tested on MNIST dataset (5% error) and Olivetti faces (8% error)
- **CHIP-8 Emulator:** Writing 8-bit interpreter emulator in C using SDL library.
- **XChange:** Machine-learning (neural-network) app (Python, Flask, Vue.JS) to help restaurants optimize revenue and combat food waste. **3rd place JHU Business Place Competition**
- **SIMPLE Compiler & Interpreter:** Implemented lexical, syntactic, and semantic analysis, interpreter, simple and optimized assembly code compilation, and stack-based procedures, targeting ARMv6
- **Viterbi:** Assembled ortho-linear keyboard, programmed with open-source QMK firmware