ANDREW ROJAS

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Experience

Stripe | Software Engineer — 1 Year (Current)

- Adapted open-source Google Docs to Markdown converter (JavaScript/Google Apps Scripts) to help transition to new internal docs platform on Markdoc (Markdown superset)
- Finalized production-readiness of internal Constraint-Programming Java library and service by designing and running load test and creating SignalFx dashboards and detectors in Terraform
- Designed Java validation and type-checking library to validate domain-specific-language written in Protobuf used to encode the rules of Constraint-Programming library
- Delivered MongoDB rollback file parser for internal Java micro-service orchestration library to determine conflicting task statuses and guide users on resolution

Lyft | High Value Drivers SWE Intern — 3 Months

- Created Python-Flask microservice with React frontend to manage Lyft driver loyalty rewards in DynamoDB, allowing the team to iterate faster and without toilsome code changes by engineers

NVIDIA | Enterprise Experience SWE Intern — 3 Months

- Automated Support Engineer workflow by deploying DGX system analysis tool (Python-flask) to identify errors like faulty RAM modules, faulty or disconnected GPUs, or failing fans by parsing DGX system log and configuration dumps

PatientPop | EMR Integrations SWE Intern — 2 Years

- Accelerated Selenium regression tests 70% with data-seeding API in PHP-Laravel
- Added new synchronization job in PHP-Laravel to support new appointment type for 100s of existing and potential calendar-integrated (Sikka) customers

Education

Johns Hopkins University | M.S.E. Computer Science (3.91 GPA)

- B.S. Computer Science and Math, Minor in Entrepreneurship & Management (3.79 GPA)
- Master's student representative for **Diversity, Equity, and Inclusion Council**
- **Head Teaching Assistant** for Compilers, Course Assistant 2x for Algorithms, 1x for Operating Systems, 1x for Intermediate Programming in C/C++
- ACM@JHU President (1.5 years), planned weekly events, hosted regional programming competitions (ICPC), received **CS Department Service Award**
- **2nd Place in Business Plan Competition** for XChange, a machine learning POS integration that allows restaurants to better prepare their food inventories and minimize food wate
- Coursework: Computer Graphics, Computer Networks, Algorithmic Game Theory, Randomized and Big Data Algorithms, Machine Learning, Approximation Algorithms

Skills

- Programming Languages: Java, Python, OCaml, C, C++, PHP, Java, TypeScript, JavaScript
- Tech: Protobuf, REST, React, Dagger, Terraform, MongoDB, DynamoDB, Docker, git, Unix/Linux

Last Updated: 2022-11-28