Neerajen Sritharan

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Education

University of Waterloo — Apr 2020
Dual Major in Computer Science and Statistics
Cumulative Average: 89%

Awards

Andrew Rok Scholar ($40 000)
Colonel Hugh Heasley Scholar ($10 000)
Dean's Honours List 2016, 2017, 2018

Work

Google — Software Engineering Intern — New York, NY — Apr 2018 — Aug 2018
Developer Tools team working on Bazel, Google's internal build tool.

- Built a service to find breaking changes in the Blaze build, similar to Git bisect. Saved over 3 SWE hours a day.
- **20% Project:** Contributed to a machine-learning pipeline that classifies HTML tables. Increased evaluation accuracy by 30%. The pipeline will be used in Google Search.

Yelp — Software Engineering Intern — San Francisco, CA — Sep 2017 — Dec 2017
Real Time Data Infrastructure team working in Python.

- Designed and developed a service to monitor system health of the Data Pipeline. Used by engineers, PMs and directors across the Distributed Systems organization.
- Took part in the oncall rotation. Fixed live operational issues and provided support for teams using the Data Pipeline.

Wish — Software Engineering Intern — San Francisco, CA — Jan 2017 — Apr 2017
Merchant Platform team working in Python.

- Primary backend contributor on Fulfilled by Wish USA, Wish's 5-day delivery solution. Led the backend integration and alpha, beta testing. Currently accounts for $1.5M+ revenue.
- Built a data pipeline to structure and classify shipping carrier data from 300+ tracking sources. Increased order tracking accuracy by 125%.

Nvidia — Software Engineering Intern — Santa Clara, CA — May 2016 — Aug 2016
Hardware Infrastructure team, working in Python, Perl, Tensorflow.

- Wrote a tool to manage Docker images across an internal high performance GPU cluster, reducing deployment time by 10x.
- Designed and trained model to classify GPU performance tests by architecture with 99%+ accuracy on 100k+ dataset.

Projects

PythonOFCSimulator — Python
Built a late game solver for the Pineapple OFC Poker game.

CryptoArbitrage — Python, Scala, R
Created a service that notified me whenever arbitrage opportunities were available in the cryptocurrency market. I used this service to trade real money.

Flix (Contributor) — Scala
Implemented a relational query backend for Flix, a domain specific language for static analysis. Worked under Professor Lhoták at the University of Waterloo as an undergrad research assistant.

Languages

Python, Scala, Java 8, C++, SQL, R

Technologies

AWS, Tensorflow, CUDA, Docker

Interests

Hiking, Poker