Andrew Liang

Software Developer

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Experience

NVIDIA • Distributed Storage Engineering *May - Aug. 2018*

Santa Clara, CA

- Contributed to core development of _DFC_: an open-source, distributed object storage system in **Go**
- Developed novel distributed dataset sorting framework within *DFC* to accelerate AI workloads at the **petabyte scale**

Taplytics • Backend Engineering *Sept. - Dec. 2017*

Toronto, ON

- Built a distributed push notification pipeline on **GCP** and **Node.js** handling **300 GB/s** of throughput
- Developed webpage element classifier in **JavaScript** to increase A/B test results by **72%**

Wattpad • Platform Engineering *Jan. - Apr. 2017*

Toronto, ON

- Built an open-source HTTP client library in **Go** for interfacing with Adzerk's ad-serving API
- Leveraged concurrency patterns in **Go** to improve RESTful API network request latency by **66%**

Paytm Labs • Data Engineering *May - Aug. 2016*

Toronto, ON

- Patched data processing pipelines in **Python** and **Scala** to ensure **98.5%** uptime
- Built **Node.js** web app with **React** and **Redux** to visualize product recommendation metadata

Interests

- Open-source software
- Distributed computing
- Storage systems
- Barbering

Skills

Languages

| Go | JavaScript | Bash |
| Python | C++ | SQL |

Technologies

| Git | AWS | MySQL |
| UNIX | GCP | MongoDB |

Concepts

Distributed Systems
Concurrency and Parallelism
Scalable Web Architecture

Projects

go-adzerk – Go, Adzerk

An **open-source** HTTP client library in **Go** for interacting with the Adzerk API.

wattpoll – Go, MySQL

A microservice built with **Go** and **MySQL** which supports interactive polls on Wattpad.

Education

University of Waterloo

Bachelor of Software Engineering 2020