



# 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, a distributed persistent object cache in **Go**: <https://github.com/NVIDIA/dfcpub>
- Developed novel distributed dataset sorting algorithm to operate 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
- Storage systems
- Distributed computing
- Barbering

## Skills

### Languages

Go	JavaScript	Shell
Python	C/C++	SQL

### Technologies

Git	AWS	MySQL
Linux	GCP	Redis

### Concepts

Distributed Systems Design  
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