

Andrew Liang

Software Developer, 2B

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Skills

Languages

Go, Python, PHP, Bash, C, C++, Scala, SQL

Technologies

Git, UNIX, Kubernetes, Travis CI, Adzerk, Datadog, Sumo Logic, Elasticsearch, MySQL, JIRA

Experience



Platform Engineering Intern

January 2017 - April 2017

Wattpad • Ads & Monetization

Toronto, ON

- Designed and built an open-source **Go** client library for interacting with the Adzerk API
- Rewrote **PHP** search endpoint in **Go** to perform **66%** faster
- Added support in **PHP** for the migration of **100%** of all UI and API tests from the test environment to production
- Modified services in **Go** and **PHP** to support new ad-related product requirements

Awards

President's Scholarship of Distinction

University of Waterloo

Awarded to students with an entry average of at least 95%



Data Engineering Intern

May 2016 - August 2016

Paytm Labs • Personalization

Toronto, ON

- Patched data processing pipelines in **Python**, **Scala** to ensure **seamless availability** of data
- Built **Node.js** web app with **React**, **Redux** to visualize product recommendation metadata
- Developed **Grafana** data dashboard using **Lucene** to visualize business and traffic metrics
- Refactored **Scala** code to **decrease latency** for recommendation API serving **100M** users

Education

University of Waterloo

Bachelor of Software Engineering, 2015 - 2020

Projects

go-adzerk – Go

April 2017

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

poll-service – Go, MySQL

April 2017

A Go microservice built to support interactive polls at the end of each story part on Wattpad. Interacts with a MySQL database. Built at Wattpad's April 2017 hackathon.

Interests

Open-source software, hackathons, acoustic guitar, barbering

Glide – Java, Android SDK

July 2015 – January 2016

Glider simulator for Android. Designed and implemented custom movement algorithms and practiced proper OOP principles. Published on the **Google Play Store**, achieving a **4.8** rating, with **1000** downloads.