

TONY ZHANG

SKILLS

- Languages include Java, C++, Go, Python, Scheme
- Understanding of common data structures, algorithms, and OOP
- Experience in backend service infrastructure, Android platform, Chef
- Able to learn and adapt quickly, enthusiastic team player with strong communication skills

EDUCATION

University of Waterloo & Wilfrid Laurier University August 2016

- Bachelor of Computer Science (UW) & Business Administration (WLU) Double Degree

EXPERIENCE

SRE Software Engineer - Google, *Mountain View, CA.* May 2017 - Present

- On-call site reliability engineer for Google Borg (large-scale cluster management system)
- Implemented a Failure Domain drainer service replacing the existing system in Go, which handles prod machine disruptions

Software Engineer - Uber, *San Francisco, CA.* Nov. 2016 - Jan. 2017

- Made improvements to existing money transaction flow and reduced erroneous transaction records
- Integrated Prometheus metrics collection system to transaction settlements in Python
- Implemented gift card transaction flow within next-gen payment system (under development) in Java

Software Engineering Intern - Bloomberg, *London, UK.* Sep. - Dec. 2015

- Built Bloomberg terminal app YUNS for company-wide internal crash management
- Created database schema and frontend for YUNS, implemented services & UI in JavaScript
- Wrote custom Python script to retrieve, compute, and update backend data for terminal apps nightly

Software Engineering Intern - Facebook, *Seattle, WA.* Jan. - Apr. 2015

- Created front-end layer browse edges for various scoped keyword search in PHP
- Implemented search query rewriting for Group, Page, and Timeline search in C++
- Added several data-based features to rank resulting query contents
- Revised and improved data acquisition model for post search products

Systems Engineering Intern - Lumosity, *San Francisco, CA.* Jan. - Apr. 2014

- Wrote custom Chef cookbooks for manipulating server & backend-service configurations
- Reconstructed custom Nagios cookbook, and created Nagios checks for monitoring server/service
- Built scripts that interact with Chef and production servers, for simpler deployment and backend maintenance

Agile Engineer - Xtreme Labs (Pivotal Labs), *Toronto, ON.* Jan. - Apr. 2013

- Created an internal BlackBerry 10 app to track company project/employee allocations in Qt/C++
- Contributed to developing an XL Studio Android library that monitors/reports app status such as invalid API, app crash, and validating data integrity
- Built [LAUNCH Ticker](#), a technology news feed Android app based on [LAUNCH.co](#) (Google Play Store)