

TONY ZHANG

SKILLS

- Languages include Java, Elixir, Go, Python, C++
- Understanding of common data structures, algorithms, OOP
- Industry experience in feature engineering, backend infrastructure; a 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

Senior Software Engineer - Brex, *Seattle, WA.*

Feb. 2020 - Present

- Automated periodic customer communications within Financials system
- Implemented customer self-serve bank statement & connection system to enable better scaling
- Designed & implemented backend service architecture for FICO-based underwriting

SRE Software Engineer - Google, *Sunnyvale, CA.*

May 2017 - Feb. 2020

- Iterated features on internal machine management automation system, which handles machine lifecycle
- Implemented small failure domain drainer service in Go, increasing fleet management efficiency by enabling rack-level production machine maintenance
- Worked on services around Borg (large scale cluster-management system) as a Borg SRE

Software Engineer - Uber, *San Francisco, CA.*

Nov. 2016 - Jan. 2017

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

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