TONY ZHANG

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github.com/nearalias

SKILLS

- Languages include Java, C++, Python, Scheme, JavaScript, PHP, Ruby
- Understanding of common data structures, algorithms, and OOP
- Experience in backend and service infrastructure, Android platform, Hadoop, 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

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 retreive, 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
- Integrated open-source caching layer on top of memcached in Rails codebase

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

- Practised agile methodologies, pair programming, and test-driven development
- 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)

PROJECTS

EventBox   nearalias.com/eventbox

- A minimalistic yet fun event planning hackathon webapp based on App Engine, using AngularJS and gridster.js to show off a flat metro design, with draggable content elements. Users can login through facebook to share events to anyone, allowing invitees to vote on details such as time and location