

David Zhang

3B Software Engineering



davzee@hotmail.com



davzhang.me



github.com/davidozhang



linkedin.com/in/davzhang1

Languages

Python, Swift, Java, C++,
Objective-C, JavaScript,
HTML/CSS, SQL, PHP

Frameworks

Flask, Pyramid, Django,
AngularJS, Node JS,
Cocoa, Android SDK,
Pebble SDK, Swing

Databases

MySQL, PostgreSQL,
MariaDB, Cassandra

Tools & Libraries

Git, XCode, Docker, AWS,
Vagrant, Eclipse,
Android Studio

Interests

Rockclimbing, Aviation,
Hackathons, Swimming

Work Experience

iOS Engineer FiveStars Loyalty San Francisco, California

May - Aug '16

- Delivered revamped Explore View using Auto-Layout and RestKit
- Increased active users by 15% through deep linking with Branch
- Integrated Twilio to support merchant-consumer conversations
- Designed caching manager to reduce network overhead by 50%
- Identified hotspots and improved launch performance by 40%
- Organized company hackathon and won 2nd place through implementation of Universal Promotions in consumer app

Fullstack Engineer OANDA Toronto, Ontario

Sep - Dec '15

- Developed asynchronous forms to cut registration time by 20%
- Reduced onboarding time by 80% with Vagrant setup
- Designed new mobile registration flow prototype, won Most Productizable Hack at OANDA Hackathon

Python Engineer EventMobi Toronto, Ontario

Jan - Apr '15

- Implemented asynchronous web API with highly performant RabbitMQ-based concurrent worker system
- Developed Flask micro-service endpoints to replace legacy API

SIEM Engineer Trustwave Cambridge, Ontario

May - Aug '14

- Developed Kafka distributed messaging tool for SIEM NG
- Performed research for migration from MySQL to MariaDB and Cassandra, presented recommendations to company

Projects

Spycodes

Aug '16

itunes.apple.com/us/app/spycodes/id1141711201

- Local multiplayer word association game built with Apple's Multi-Peer Connectivity and GameKit frameworks

Off The Grid

Nov '15

devpost.com/software/off-the-grid-lhgj8q

Finalist

- Built offline, real-time canvas collaboration iOS app using Apple's Multi-Peer Connectivity Framework at Hack Western 2

Scarecrow

Nov '15

instructables.com/id/Scarecrow-Intel-IOT/

2nd Place

- Built iOS Touch-ID home security app at Intel IOT Roadshow
- Developed Python and Node JS backend on Intel Edison board