

# David Zhang

3A Software Engineering

davzee@hotmail.com

www.davzhang.me

www.github.com/davidozhang

www.linkedin.com/in/davzhang1

## Languages

Python, C/C++, Java,  
JavaScript, HTML5, CSS,  
Swift/Objective-C, SQL,  
PHP, Bash

## Databases

MySQL, MariaDB,  
Firebase, SQLite,  
Cassandra, Redis

## Frameworks

Flask, Pyramid,  
AngularJS, Node.JS,  
Cocoa Touch,  
Pebble SDK C/JS/iOS,  
Pygame

## Tools & Libraries

Git, Arcanist, Phabricator,  
SQLAlchemy, Alembic,  
Vagrant, Docker,  
Grunt, Bower, Jasmine,  
XCode, Eclipse,  
Apache Kafka, RabbitMQ,  
AWS

## Work Experience

Fullstack Web Developer, OANDA Corp.  
Sep – Dec 2015

- Implemented asynchronous Angular forms and EID check to speed up registration process by 200%
- Reduced front-end assets to improve registration page load speed on slow Internet
- Designed custom web dashboards to monitor team agile statistics and improve quality of work in pipeline
- Set up engineering team Vagrant environments, decreased onboarding time by 80%
- Implemented new mobile registration portal prototype, won Most Productizable Hack at OANDA Hackathon

Backend Web Developer, EventMobi  
Jan – Apr 2015

- Implemented RabbitMQ-based queue and concurrent worker system for asynchronous web API
- Developed Flask-based REST micro-service endpoints to enhance scalability and data monitoring
- Lead the development team in retiring legacy content manager, moved critical business logic into Python API

SIEM Software Engineer, Trustwave Inc.  
Apr – Aug 2014

- Developed Java/Python tools that enhanced management productivity and SIEM Next-Gen testing
- Performed R&D for migration from MySQL to MariaDB and Cassandra, presented in front of entire company

## Recent Projects

Off The Grid Nov 2015

- Offline, real-time canvas collaboration iOS app using Apple's Multi-peer Connectivity Framework
- Top 6 Finalist at Hack Western 2

Scarecrow Nov 2015

- Internet of Things: iOS Touch-ID home security app paired with an Intel Edison board running Node.JS and Python servers
- 2<sup>nd</sup> Place Overall at Intel IoT Roadshow 2015

Pebblyrics Oct 2015

- Displays live lyrics of iPhone song on Pebble watch