David Zhang

Candidate for Bachelor
of Software Engineering

✉ davzee@hotmail.com

🌐 davzhang.me

⦿ github.com/davidozhang

in linkedin.com/in/davzhang1

Languages

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

Databases

MySQL, MariaDB,
SQLite, Cassandra,
Redis

Frameworks

Flask, Pyramid,
AngularJS, Node.JS,
Pebble.JS, Pebble C,
PebbleKit IOS,
Pygame

Tools & Libraries

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

Work Experience

Fullstack Web Developer, OANDA Corp.
Sep 2015 – Present

Backend Web Developer, EventMobi
Jan – Apr 2015

- Implemented RabbitMQ-based queue and concurrent worker system for asynchronous web API
- Developed Flask-based RESTful API services and 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 – Offline, real-time canvas collaboration iOS app using Apple's Multi-peer Connectivity Framework
- MLH Finalist at Hack Western 2
github.com/davidozhang/off-the-grid

Scarecrow – Internet of Things home security system made using Touch-ID based iOS app, Node.JS and Python backend servers on an Intel Edison board
- 2nd Place Overall at Intel IoT Roadshow 2015
github.com/davidozhang/scarecrow-ios

Pebblyrics – Pebble app that displays lyrics of song on iPhone
github.com/davidozhang/pebblyrics

Personal Website – Powered by Jekyll and Amazon S3
github.com/davidozhang/davidozhang.github.io

Education

University of Waterloo
Sep 2013 – Present

- Expected graduation in 2018