

Han Zhao

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EDUCATION

University of California, Irvine (2015 – 2017)

- Computer Science Major, expected June 2017
- GPA: 3.727

Diablo Valley College (2013 – 2015)

- Associate of Science, Computer Science Major
- Vice president of Chinese Student Association
- GPA: 3.857 Major GPA: 4.0

SKILLS

- Proficient at full-stack development with ability to quickly pick up and conquer new knowledge and programming languages.
- Programming Language: Java, C++, Ruby, Python, SQL/PostgreSQL, Javascript, HTML5/CSS3,
- Tools and OS: Linux, AWS, Tomcat, Git, JMeter, Eclipse
- Software Architectures: Agile, Client-Server, Object-Oriented.
- Language: Fluent in English, native in Mandarin.

EXPERIENCE

Orbee Inc. Irvine, CA

Internship as Backend developer

April 2016 — current (6+ months)

- Interned as a Backend developer at a startup, data analytics company for car dealerships.
- In charge of two independent services. Finished completely new features about web crawling and automating the process to generate embed codes. Collecting data and status information on daily base. Embed codes are actively collecting conversion data to display on admin panel.
- Database management and optimisations cross services.
- Familiar with Agile, internal services communication pipeline and optimisations.
- Using language Ruby, javascript, framework RabbitMQ, and providing API. Worked on AWS Red Hat instance and S3 cloud storage.

University of California, Irvine

I&CS 46 (Data Structure) Tutor

01/2016 – 03/2016

- Provide students “first aid” help as they work on their lab assignments.
- Explain key algorithms in data structure and help students debug projects.

Diablo Valley College

I&CS 46 (Data Structure) Tutor

01/2016 – 03/2016

- Help students with programming problems, mostly with new programmers.

PROJECTS

Web-Application Project — Fabflix

- Developed a full-stack website for movie searching and browsing. After log in, users can view movie list with sorting and navigating between pages. Users can add movies into shopping cart and pay with inputting correct credit card information.
- Internal Dashboard for employees' usage and showing the data trend of the analytics of user's preferences (collecting from embed code).
- Database indexing and FullText Search are supported. Connection pooling. Scaling servers with master/slaves.
- Simple Android version of Fabflix.

Personal Project — Mini facebook

- Full stack web application developed on AWS instance and Apache Tomcat.
- Allow users to search friends and send request for adding friends, as well as deleting friends.
- Using Ajax to constantly update the new information of friends' recent status.

Monster Sudoku Project: (C++)

- Implemented with C++. Monster Sudoku is a 12x12 puzzle.
- Using AI techniques, such as heuristic search, constraint satisfaction.

Conway's Game of Life: (C++)

- Computing the evolution of a cellular automaton and visualize them graphically.