

David Pham

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EDUCATION

UNIVERSITY OF CALIFORNIA, IRVINE | BS IN COMPUTER SCIENCE

Expected Graduation June 2018 | Irvine, CA

EXPERIENCE

SENDGRID | INTERN

October 2017 – Current

- Currently working under the mentorship of SendGrid's software engineers through UCI's Capstone Experience.
- In the process of designing, implementing, testing and deploying a large scale system that will reduce the average latency for mail processing significantly.
- Working with a team of 5 in an agile environment to analyze and execute iterative development of features with an objective of delivering minimal viable products often and reliably.

GIRLS INC. STEM / ROBOTICS CAMP (OCC) | MENTOR

June 2017 – July 2017

- Worked alongside Interns and staff to help coordinate robotic activities/lesson plans (such as Lego EV3 Mindstorms) for girls grade 7-10.
- Helped to coordinate dances for a NAO humanoid robot using Choregraphe.
- Ensured students received the necessary support possible to experience hands-on programming and development by creating a positive environment where students are encouraged to be "strong, smart and bold."

NOTABLE PROJECTS

FABFLIX | FULL STACK DEVELOPER

- Developed a movie rental website called "Fabflix" (similar to Netflix) from scratch.
- Implemented full text searching, auto-completion search, and pagination.
- Wrote stored procedures for convenience, and enabled XML parsing, reCAPTCHA and HTTPS.
- Created a Fabflix mobile application for Android devices using Android Studio.
- Improved performance with connection pooling/prepared statements, and tested website performance with JMeter. Additionally, scaled the website by using Master/Slave instances.
- Demonstrated knowledge in HTML, JSP, MySQL, jQuery and AJAX with a team of three.

ICS WEB CRAWLER

- Constructed a web-crawler that crawled over 100,000 unique web pages within UCI's ICS domain.
- Parsed HTML files, tokenized inputs, and calculated the tf-idf of input queries.

CHEASY | FULL STACK DEVELOPER

- Educated college students on how to eat cheap and easy (Cheasy!) by building a website that provides recipes, nutritional information and cost using the Edamam API.
- Built using Bootstrap, JavaScript, jQuery, and CSS by a team of four at San Mateo's HACKINGEDU Hackathon.

PROGRAMMING

Python • Java • Go • C++ • MySQL • HTML • CSS • JavaScript

OPERATING SYSTEMS

Windows • OSX • Linux

TOOLS

• Android Studio • AWS • Git • Grafana • JMeter • JUnit • Tomcat • WordPress

RELEVANT COURSES

- Data Structures & Analysis
- Design & Analysis of Algorithms
- Software Engineering
- Information Retrieval
- Project Data & Web Applications
- Human Computer Interaction (HCI)
- Database Management