

Isaac Diamond

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Skills

Proficient: Python, JavaScript, Java, Unix Systems Administration, Unix Shell, Git, Docker, Mesos, MySQL, MongoDB, Ansible
Familiar: C, C++, Ruby, Go, Scala, OCaml, CSS3/HTML5, PostgreSQL, Clojure

Experience

Facebook - Production Engineer Intern - Menlo Park, CA Summer 2017

Squarespace - Software Engineering Intern (Site Reliability) - New York, NY Summer 2016

- Created automation tooling around Squarespace's infrastructure with a focus on service deployment and discovery within an Apache Mesos cluster using Python and Ansible
- Improved monitoring of the health of jobs running on Squarespace's Mesos cluster and other systems with Ruby
- Designed and deployed logging infrastructure for Docker containers running across Squarespace's fleet
- Overhauled Squarespace's continuous integration pipeline by deploying Jenkins with Dockerized build agents
- Troubleshooted and repaired critical systems and site issues and engaged heavily in the postmortem process

Visa, Inc - Software Engineering Intern (Infrastructure Automation) - Foster City, CA Summer 2015

- Implemented software to manage deployments of distributed systems within the context of Visa's shift to Openstack
- Automated management of core infrastructure, chiefly Cloudera Hadoop, with the Chef Automation toolkit
- Supported a distributed Jenkins deployment used for Infrastructure-As-Code continuous integration and delivery

Haiku Deck - Software Developer Intern - Seattle, WA Summer 2014

- Designed, developed, delivered and deployed a scalable, RESTful web service to create raster images of Haiku Deck slides with Node.js/Express, Parse, and Selenium
- Architected and implemented a range of tooling in support of that service including Vagrant, Nginx and HAProxy
- Created Python and Javascript tools to analyze the differences between the iPad and web application editions of the product and bring them to parity

Rover.com - Software Developer Intern - Seattle, WA Summer 2013

- Entirely redesigned the homepage of Rover.com to be mobile friendly using HTML, Sass, and the Django MVC framework
- Implemented interface improvements on auxiliary social media properties using JQuery 1.x and Backbone.js

Education

University of California, San Diego - B.S. Computer Science Class of 2018 (Graduating December 2017)
Jacobs School of Engineering

- 3.6 GPA
- National Merit Scholar
- Provost Honors

Activities

Triton Engineering Student Council - Technical Team Lead 2015-2016

- Created a website and administration tools for UCSD's 2016 Disciplines of Engineering Career and Activity Fair, which was attended by over 100 companies and 3000 students
- Acted as a systems administrator and webmaster for the Triton Engineering Student Council website

FIRST Robotics Competition Team #488 - Senior Team Member 2012-2014

- Used machining and rapid prototyping tools to design and implement mechanisms for robots intended to compete in the FIRST Robotics Competition and FIRST Tech Challenge
- Participated as an engineering team member for three years and was selected as a member of the competition drive team for one year
- Quarterfinalist, World Championship, Galileo Division

Interests

software engineering, systems engineering, networked and distributed systems, database systems, operating systems