

Samuel Halim

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EDUCATION

University of California, Berkeley

Berkeley, CA

Bachelor of Science, Electrical Engineering and Computer Science

Expected Graduation: May 2017

Relevant Coursework: Efficient Algorithms and Intractable Problems, Artificial Intelligence, Operating Systems and System Programming, Internet Architecture & Protocol

TECHNICAL SKILLS

- Proficient in C++, Java, Python, familiar with C, Scheme, Scala
- Knowledge in web development tools and technology (HTML, CSS, jQuery, REST API, Spring MVC, Java Beans, MongoDB, PostgreSQL, SQL, Bootstrap, NodeJS, ReactJS, AngularJS)
- Experienced in using IDE (IntelliJ, XCode) and working in Linux, Windows, and Vagrant environment

EXPERIENCE

Blibli.com (PT Global Digital Niaga)

Jakarta, Indonesia

Software Developer Engineering Intern

June 2016 – Aug 2016

- Worked in a team to develop a new scheduling feature to the existing **Java** codebase that increased performance of main website
- Improved code coverage of Loyalty Java SDK to 96% by using **SonarQube** as a measurement tool
- Founded a way to handle null pointer errors when trying to search certain data over database in **MongoDB**

UC Berkeley AMP Lab

Berkeley, CA

Web Developer

February 2016 – May 2016

- Designed an appealing and interacting website **e-mission.eecs.berkeley.edu**
- Remodeled HTML/CSS in the website using **AngularJS** and migrate the old functionality to the new one

Lawrence Berkeley National Laboratory

Berkeley, CA

Software Tester

January 2015 – May 2015

- Installed, configured, and tested new hardware and software for Linux
- Development of scripts or programs for automating and monitoring system admin functions and generating reports
- Developed system tools for monitoring, scheduling, allocations, and reports

PROJECTS

Loyalty Center

- Developed a web app for company's internal tools to handle pending point issue and analyze current member data through chart, which implemented using **D3.js** while interning at blibli
- Implemented front end side by using **ReactJS** with **Flux** Application Architecture
- Used **Scala** in the backend to gather data from another server through APIs

My Manga List Updater

- Team-based hackathon project to automatically update manga status on myanimelist.net user's profile through chrome extension
- Worked on Background.js to automatically update manga status whenever user reads manga on any website

Chat Server

- Created a simple chat server similar to Slack and IRC that allows user to converse in one channel at a time
- Implemented both server and client side using python socket programming API

LEADERSHIP

LEADERSHAPE INSTITUTE

Berkeley, CA

Participant

January 2016 – January 2016

- Attended an intensive six-day leadership development program with 119 other engineering students
- Strengthened skills related to inclusive leadership, group decision making, emotional intelligence, community building, and leading with integrity

DVC ENGINEERING STUDENT COUNCIL

Pleasant Hill, CA

Public Relations Chair

August 2014 - December 2014

- Increased attendance turnover by 150% through making a website and Facebook page for the club
- Pioneered Engineering Transfer Day by inviting Dale Masterson (Director of UC Berkeley Engineering Student Services) as a guest speaker to guide / help attendees in improving their college application process