Samuel Halim

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EDUCATION

University of California, Berkeley   **Berkeley, CA**
Bachelor of Science, Electrical Engineering and Computer Science   **May 2017**
Relevant Coursework: Efficient Algorithms and Intractable Problems, Artificial Intelligence, Operating Systems and System Programming, Internet Architecture & Protocol, Database Systems, Computer Security

TECHNICAL SKILLS

- *Programming Languages*: C++, Java, Python, Ruby, C, Linux/Unix Script, Scheme, Scala, MySQL, PostgreSQL, MongoDB, SQL, HTML/CSS, JavaScript
- *Framework*: ReactJS, AngularJS, Node.js, Ruby on Rails, Bootstrap, Spring MVC
- *Miscellaneous*: jQuery, REST API, Git
- 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

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