

# 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, Flask
- *Miscellaneous:* jQuery, REST API, Git, Docker, Heroku
- 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