BENJAMIN MARIMON

2423 Blake St #101, Berkeley, CA 94720 | bsmarimon.github.io | bsmarimon@berkeley.edu

EDUCATION

08/13-Present **UNIVERSITY OF CALIFORNIA, BERKELEY**   *Expected Graduation: May 2017*
B.S. Electrical Engineering and Computer Science
GPA – 3.43

PROFESSIONAL EXPERIENCE

05/15-08/15 **Rambus (in progress)**
Intern
- Working on the Information Technologies team to support other product teams in the company

PROGRAMMING PROJECTS

Hardboiled   (Node.js)
- Resign the website of a magazine, Hardboiled, on Ghost, an blogging tool built on Node.js
- Worked on static page layouts, user/admin permissions, completed other backend tasks

Pre-med @ Berkeley   (Meteor.js)
- Built a content management system for collecting/publishing pre-med resources
- Worked with other

Spark Map Reduce   (Python)
- Designed algorithm to solve for the most efficient solution to a sliding puzzle game
- Implemented multi-threaded version of the algorithm with Spark on Amazon EC2 servers

Resistor Finder   (Java)
- Built an algorithm to calculate resistance values based on resistor bands, or calculate the correct band order to achieve a certain resistance
- Implemented an interactive GUI for users

Huffman Encoding   (Java)
- Implemented the Huffman compression/decompression algorithm for individual files
- Designed several modifications for the compression/decompression of directories and their contents

ORGANIZATIONS

05/15-Present **INNOVATIVE DESIGN**
VP of Technology, Web Tier Leader
- Lead a team of web developers to design and develop websites for campus organizations
- Build and manage websites for design events hosted by Innovative Design

05/15-Present **INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS**
Director of Industrial Relations
- Communicate and network with campus organizations and companies
- Coordinate infosessions, tech talks, and the biannual student-led Startup Fair for students

COURSEWORK

- CS61A, Structure and Interpretation of Computer Programs
- CS61B, Data Structures and Algorithmic Analysis
- CS61C, Machine Structures

- CS188, Introduction to Artificial Intelligence
- CS186, Introduction to Database Systems (Fall 2015)
- CS170, Efficient Algorithms (Fall 2015)

PROGRAMMING LANGUAGES: JAVA, Python, C, Ruby, MIPS
WEB DEVELOPMENT: HTML, CSS, JavaScript, jQuery, Meteor.js, Node.js, Materialize
SKILLS: Adobe In-Design, Illustrator, JUnit Testing, Git