

DAVID SU SUNG

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EDUCATION

University of California, Berkeley

Expected Graduation: May 2016

B.A. Computer Science & B.A. Cognitive Sciences

Related Coursework: Data Structures and Advanced Programming, Introduction to Artificial Intelligence, Machine Structures, Discrete Math and Probability Theory, Structure and Interpretation of Computer Programs, Software Engineering

PROGRAMMING LANGUAGES

Proficient: HTML/CSS, JavaScript, AngularJS, Bootstrap, Java, Python

Familiar: C, PHP, Scheme, SQL, MIPS

WORK EXPERIENCE

Web Developer

Cal Alumni Association, December 2014 - January 2016

- Handled front-end for the African Alumni Association website at UC Berkeley (www.africanalumtoberkeley.edu)
- Redesigned user-interface and coded up layouts/design mock-outs using mainly HTML/CSS and JavaScript.
- Evaluated code and made the website content responsive across all platforms including browser/mobile.
- Worked on implementing a log-in/sign-up function using PHP registration forms

Front-End Web Development Intern

Schoolzilla, June 2015 – September 2015

- Worked on re-designing user interfaces for web-based applications used HTML/CSS, JavaScript, and Bootstrap
- Wrote code and scripted content for the website. Maintained and added new changes and revisions to the web code base.
- Worked with Big Data; automating transformation of raw data from dozens of data sources to actionable reports online used by hundreds of schools.

Junior Computer Consultant

ETS Computer Facilities, August 2014 - December 2014

- Served as front line consultant services for all hardware/software issues or technical difficulties that students faced at the computer facilities on campus using software provided for us by the company.
- Worked together with Educational Technology Services to provide general access and consultation by providing UC Berkeley users with adaptive learning spaces and convenient access to technology needs on campus.

SIDE PROJECTS

Personal Website (www.davidsung.org) (HTML/CSS/JavaScript/jQuery/Bootstrap)

- Coded a website from scratch using HTML/CSS and JavaScript and jQuery functions to animate elements on the page.
- Integrated website with Bootstrap to make web content responsive across all platforms.

African Alumni Project (www.africanalumtoberkeley.edu) (HTML/CSS/WordPress/JavaScript)

- Launched the 'Africa Connections' portion of the website created by converting mock-ups using HTML/CSS
- Worked on front-end for the whole website including revamping certain pages and installing the carousel on homepage

MapReduce Puzzle Solver (Python, Spark)

- Developed a solver that outputs every legal configuration in a 15x15 puzzle and the shortest possible distance from solution
- Used Amazon Elastic Compute Cloud/Spark parallelization to optimize performance using multiple PCs simultaneously

Sliding Block Puzzle (Java)

- Implemented a similar version of the famous Sliding Block Puzzle using various data structures and search algorithms.
- Designed and created internal data representations for the sliding block puzzle game. Utilized breadth-first search to implement a machine player that self-solves a game board

SKILLS & INTERESTS

Interests: Music Production (Acoustic Guitar/Keyboard), Web Design, Online Gaming, Football

Extracurricular: KASA Culture Show Board Member, Collegiate Intramural Sports (Football), CSUA (Computer Science