

# DAVID SU SUNG

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## EDUCATION

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**University of California, Berkeley**

**Graduated On:** May 2016

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

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

## TECHNICAL SKILLS

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**Proficient:** HTML/CSS, JavaScript, AngularJS, Bootstrap, WordPress

**Familiar:** Ruby on Rails, Python, Java, C, PHP, Scheme, SQL

## WORK EXPERIENCE

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### Front-End Web Developer Assistant

*Cal Alumni Association, December 2014 - January 2016*

- Handled front-end for the African Alumni Association website at UC Berkeley ([www.africanalumni Berkeley.edu](http://www.africanalumni Berkeley.edu))
- Built on the user-interface and coded up layouts/design mock-outs using mainly HTML/CSS and JavaScript.
- Worked alongside PhD researcher to connect hundreds of Cal African Alumni by featuring their stories on our website.

### Web Development Intern

*Schoolzilla, June 2015 – September 2015*

- Worked with Big Data; automating transformation of raw data from dozens of data sources to web-services used by K-12 school systems to help school and district leaders make data-driven decisions.
- Worked on re-designing dashboards for website using mainly HTML/CSS, JavaScript, and jQuery
- Worked with research, design, development, testing team to develop new ideas and modified existing codebase.

### 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

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### Personal Website ([www.davidsung.org](http://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 framework to make web content responsive

### African Alumni Project ([www.africanalumni Berkeley.edu](http://www.africanalumni Berkeley.edu)) (HTML/CSS/WordPress/JavaScript)

- Launched the 'Africa Connections' portion of the website created by converting mock-ups using HTML/CSS
- Handled front-end development for the website including revamping homepage with carousel along with other pages

### My AngularJS Store (HTML/CSS, AngularJS)

- Designed an online store using custom directives and taking advantage of dependency injection to make it client-friendly
- Took advantage of AngularJS's two-way data binding feature to implement an interactive ratings system

### 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

## EXTRACURRICULARS & INTERESTS

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**Interests:** Music Production, UI/UX Design, SEO, Responsive-Web Design, Video games, Korean BBQ

**Extracurricular:** CSUA (Computer Science Undergraduate Association), KASA Culture Show Board Member, Collegiate Intramural Sports (Football/Soccer), Berkeley Byte at Cal ([www.BerkeleyByte.com](http://www.BerkeleyByte.com))