

# Calvin Lui

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## EDUCATION

**University of California at Berkeley** | Berkeley, CA

B.S. Electrical Engineering and Computer Science; May 2017

*College of Engineering*

*Major GPA: 3.12*

**Relevant Coursework:** current enrollment \*

Structure and Interpretation of Computer Programs		Data Structures & Advanced Programming Methodology
Ideas in Computer Architecture, Machine Structures		Discrete Mathematics & Probability Theory
Productive Use of the Unix Environment		Efficient Algorithms and Intractable Problems*
Introduction to Artificial Intelligence*		Ruby on Rails DeCal*

## RELEVANT EXPERIENCE / PROJECTS

### Stock Quote Tracker

*December 2014*

- Developed program providing real-time updates to stock quotes and generates alerts based on user parameters
- Calls Yahoo Finance API to retrieve specific CSVs which are then parsed and displayed in a JFC/Swing GUI
- Utilizes Java threading to run updates/alerts for each quote independently and can support multiple windows simultaneously

### HTML Spell Checker

*January 2015*

- Executable bulk spell checker for websites and local HTML files with the option of writing corrected content
- Incorporates Jsoup 1.8 dependency to access HTML content and extract all content from between HTML tags
- Identifies a list of incorrect words with Jazzy 0.5.2 spell check/English dictionary and gathers possible corrections before providing the option to write the corrected HTML code to a new file

### Inspired, BluePrint Hackathon

*March 2014*

- Inspirational website that generates random quotes and audio from a preset selection
- Written with HTML/CSS, along with JavaScript features and a PHP contact form handler for user feedback

## SKILLS

**Languages:** JAVA, PYTHON, C, MIPS, SCHEME, LOGIC, LATEX

**Tools/Software:** Unix (Shell Scripting), Git ([github.com/clui951](https://github.com/clui951)), Apache Spark Map/Reduce Framework, OpenMP multithreading, JFC/Swing GUI, Intel SSE Intrinsics, Vim, Irssi, Mutt

**Web:** Ruby on Rails\*, HTML5, CSS ( [clui951.github.io](https://github.com/clui951) ), Beautiful Soup 4, Jsoup 1.8, Jade

## EMPLOYMENT

### Student Affairs – Information Technologies, Residential Computing Consultant

*May 2014 - present*

- Provide direct IT support and customer service in internet connection, router and network peripheral setups, malware detection/removal, security, general hardware configurations, and university software
- Worked with team as first point of contact for over 900 family residents, visiting scholars, graduate students, and administration in UC Berkeley's University Village with any technical issues related to computing

### UC Berkeley Computer Science Department, Lab Assistant for CS61A

*June 2014 – present*

- Assisted in leading labs, office hours, discussions, review sessions, and an online discussion forum for Berkeley's introductory computer science course
- Discussed fundamental topics include abstraction, recursion, higher order functions, object-oriented programming, functional programming, declarative programming, and distributed computing

## EXTRACURRICULARS

- Officer of Berkeley's Institute of Electrical and Electronics Engineers (IEEE)

*Oct 2014 – present*