

Tony Lee

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Education

University of California, Berkeley

Expected Dec 2016

B.A. in Computer Science, GPA: 3.42

- Course Work: Structure of Computer Programs, Data Structures, Computer Architecture, Linear Algebra, Discrete Mathematics, Database, Artificial Intelligence, Software Engineering, Linguistics, Computational Photography*, Embedded Systems*, Network*

* in progress

Skills

Programming Language: Python, JavaScript, Java, Ruby, HTML/CSS, SQL, Objective-C, C, Bash, MIPS

Framework: Flask, Rails, Selenium, Bootstrap, Git, CI (Bamboo and Jenkins)

OS: OSX, Windows, Linux (Ubuntu, CentOS)

Language: Fluent in English and Korean

Experience

Symantec Corporation, Software Engineering Intern

Jun 2015 – Dec 2015

- Developed an UI automation testing framework in Python and integrating with Jenkins and Selenium
- Developed an Android automation testing framework in Python that scales across multiple Android versions
- Profiled a web service backend and conducted a load-testing for optimization purpose

UC Berkeley, Snap DeCal Lecturer

Jul 2015 – Dec 2015

- Lectured on frontend development and version control
- Designed the coursework including curriculum, assignments and programming projects

UC Berkeley, CS61A Undergraduate Lab Assistant

Jan 2015 – May 2015

- Stimulated students' understanding in functional programming and algorithm

Projects

Secure User Authentication (https://github.com/arctan5x/secure_user_db)

- Implemented secure salted password hashing to securely store login information in sqlite3 database

Oski GPS (<http://tony-lee.co/OskiGPS>)

- Web app built with HTML/CSS and JavaScript to assist users to navigate on UC Berkeley Campus
- Implemented a voice search with Chrome Speech Recognition API to locate a building

Snap! Below the Line Website (<http://snapdecal.org>)

- Instructional website to display class curriculum and weekly updates

SQL Query Optimizer

- Implemented a selectivity estimation framework and a cost-based optimizer based on the Selinger optimizer

Twitter Trends

- Python application that analyzes the sentiment of tweets by examining input keywords and visualize the data output using turtle graphics