

# Tony Lee

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## Education

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**University of California, Berkeley**

Expected May 2017

B.A. in Computer Science

GPA: 3.35

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

\* in progress

## Skills

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**Programming Language:** Python, Java, HTML/CSS, SQL, C, Bash, JavaScript, MIPS

**Framework:** Flask, Jenkins, Selenium, Bootstrap, Github/Git

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

**Language:** Fluent in English and Korean

## Experience

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**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

**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

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**Secure User Authentication** ([https://github.com/arctan5x/secure\\_user\\_db](https://github.com/arctan5x/secure_user_db))

- Python application that provides user authentication and database functionalities
- 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