

# Yoon Ho Lee

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## EDUCATION

### **University of California, Berkeley**

Computer Science

Expected May 2017

GPA: 3.31

- Dean's Honor (Fall 2014): Awarded to top 4% of students
- Course Work: Structure of Computer Programs, Data Structures, Linear Algebra, Computer Architecture, Discrete Mathematics, Database Systems\*, Efficient Algorithms\*, Artificial Intelligence\*

\* in progress

## SKILLS

### **Programming Language** (comfort level from most to least):

Python, Java, C, HTML, CSS, Bash, Javascript, MIPS

### **Framework:**

Tomcat, Appium, Selenium, OpenMP, Flask, Bootstrap, Github/Git, VCloud, Piwik, JProfiler

### **OS:**

OSX, Windows, Linux (Ubuntu, CentOS)

### **Languages:**

English (Fluent), Korean (Fluent)

## EXPERIENCE

### **Symantec Corporation, Software Engineering Intern**

June 2015 – August 2015

- Developed an automation mobile testing framework using Appium, Genymotion, Python, and BASH to flexibly test a Public Key Infrastructure Android client on multiple versions of Android
- Analyzed user information from Apache logs using Piwik data processor on CentOS
- Profiled a web service backend server from the Public Key Infrastructure product and conducted a load-testing to examine possible optimization factors
- Responsible for detailed documents and a complete set up of VCloud images for projects above

### **Snap Decal, Facilitator and Lecturer**

June 2015 – Present

- Designed the coursework to guide students through developing Snap, a visual programming language, with Javascript and Github

### **UC Berkeley, CS61A Undergraduate Lab Assistant**

January 2015 – May 2015

- Tutored students' understanding in their introduction to functional programming and algorithmic problem solving

### **Management Consulting Club at Berkeley, Vice President**

August 2014 – December 2014

- Prepared 5 hour long study-session every week including consulting lectures, Harvard Business Review case presentations, mock interviews and industry analysis
- Administered and lectured an intensive strategic management training session for 7 new members
- Collaborated with alumni from Bain & Company and industry professionals to hold two info sessions

### **Valley Touch (valleytouch.net), Web Designer and Editor**

June 2014 – November 2014

- Designed a Korean tech news blog through Wix template and composed tech articles in Korean

## PROJECTS

### **OSKI GPS (<http://yoonho.co/OskiGPS>)**

- Developed a web app using HTML, CSS and Javascript with Google Map API and speech synthesis API to allow users to find paths from a building to another building on UC Berkeley Campus
- Implemented a voice search using Chrome speech recognition API to locate a specific building

### **Twitter Trends**

- Python application that analyzes the sentiment of tweets through examining input keywords
- Displays a map and uses geolocation data and positive/negative sentiment ratings to color different states on a map through turtle graphics

### **Map Reduce**

- Implemented multiple layers of data processing using NumPy to filter matrix input data
- Optimized data processing using lazy evaluations and loop unrolling