Ryan Lee

Phone: 510-780-6526
Website: ryanllee.github.io
Email: ryanllee@berkeley.edu

Education

University of California, Berkeley — Graduating 2018
Double Major: Computer Science, Cognitive Science

Alameda High School — Graduated 2014
Class rank: 1 out of 431, GPA: 4.0

Experience

Summer 2016 **Software Engineering Intern** (CBS Interactive)
- Utilized Spring to design and develop a multi-tier web service as a full stack developer
- Serialized and deserialized XML/JSON to and from POJOs for data access/storage in Redis
- Created system to facilitate buying of keywords in videos and injecting ads when they are said

Spring 2016 **Academic Intern** (CS 61a)
- Assisted in the running of lab sections and office hours for the introductory CS course
- Taught students key concepts in Python and reinforced knowledge of the language
- Aided students in the completion of weekly labs and homeworks and biweekly projects

Skills

Languages

Computer Languages
Fluent: Java, C, Python, Objective C, HTML/CSS
Proficient: Javascript, PHP, Scheme, SQL, LaTeX

Spoken Languages
Cantonese, Spanish, English

Projects

Spring 2013 (Personal) **Jellyfishing Game**
- Self taught basic python and pygame to create this keyboard based catching game
- Player uses the arrow keys to move a net around the screen and catch floating jellyfish
- As levels progress, jellyfish move faster, and jellyfish amount and time limit both increase

Spring 2015 (Academic) **Gitlet**
- Coded together own version control system that mimics Git
- Devised an immutable commit tree to hold on to individual commit nodes
- Supports “init,” “add,” “commit,” “remove,” “log,” “find,” “status,” “checkout,” and “branch”

Fall 2014 (Academic) **Scheme Interpreter**
- Assembled an interpreter to read in a subset of the Scheme functional programming language
- Written in Python, parses through lines of Scheme expressions and evaluates them
- Returns the results of these expressions in the end

Courseworks (Completed)

(CS 61a) Structure & Interpretation of Computer Programs
(CS 61b) Data Structures
(CS 198) iOS App Development
(CS 70) Discrete Math & Probability Theory
(CS 170) Efficient Algorithms & Intractable Problems
(CS 98) Web Design

Awards and Honors

2014 **Valedictorian, Alameda High School**
2013 **NorCal DECA Exam Winner, DECA Club**
2013 **Scholar Athlete, Alameda High School**