

# Jason Keung

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## Education

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### University of California, Berkeley

August 2018 - May 2022

- B.A. in **Computer Science** and B.A. in **Applied Math**
- Relevant Coursework:
  - CS 70 - Discrete Math and Prob. (In Progress), CS 61B - Data Structures (A), CS 61A (A-)
  - Math 54 - Linear Algebra and Differential Equations (A), Math 53 - Multivariable Calculus (A)

### International Baccalaureate Diploma

June 2018

- Higher Level Computer Science - 6 out of 7, Higher Level Mathematics - 7 out of 7

## Projects

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### Personal Website (jasonkeung.github.io) - HTML/CSS, Materialize

- Showcases past projects and hosts links to LinkedIn, GitHub, resume, and email

### Algebra Worksheet Generator - Java, Java Swing

- Desktop application to generate six-problem worksheets of one-variable equations
- Tracks student progress and adjusts the difficulty of problems generated accordingly

### Priority Queue Visualizer - Java, Java Swing

- Desktop application developed for a high school teacher to demo adding/removing from a binary heap priority queue

## Work Experience

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### Academic Intern - CS 61A, CS 61B

January 2019 -

#### Present

- Helped teach 20+ students object oriented programming, recursive problem solving, data structures and algorithms, and graph traversals in lab, office hours, and exam-prep sections
- CS 61A - Spring '19, Summer '19, CS 61B - Summer '19

### Taekwondo Instructor - World Martial Arts Center

November 2017 - June

#### 2018

- Worked with 1-2 other instructors to teach Korean martial arts to 20+ children, young teens, and adults
- Developed instructor level leadership and teaching skills over 2 summer leadership programs

## Skills

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### Data Structures and Algorithms

- Fluency in advanced data structures, space/time complexity analysis, and search algorithms over data structures and graphs
- Experience in problem solving, recursive thinking, tree recursion, object oriented programming

### GUI Development

- Experience with the Java Swing library, integrated high school CS command line assignments into graphical desktop applications

### Java, Python, C++

- Strong understanding through use in projects, CS 61A, CS 61B, AP CS, IB Higher Level CS, C++ class

### HTML/CSS

- Actively maintaining a personal website built using CSS/Materialize CSS
- Learning aspects of UI/UX, CSS, and Javascript to improve website

**Linux Environments, Martial Arts Instruction, Math Tutoring**