

## Justin Hsu

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### Education:

**Carnegie Mellon University**, Pittsburgh PA

Bachelor of Science in Computer Science, May 2023

GPA:

3.55/4.00

**Carlmont High School**, Belmont, CA

Diploma, June 2019

GPA:

3.83/4.00

### Coursework:

Concepts in Mathematics, Principles in Imperative Programming, Matrices and Linear Transformations, Astrophysics

### Projects:

*Website* 2019 - Used HTML, CSS, and JS to create my own personal website to showcase my projects

*Maze* 2019 - Randomly generated mazes using a spanning tree inspired by prim's algorithm

*Snake* 2019 - Knock-off version of snake in C++ using SDL2 graphics library

*Clapper* 2018 - Soldered together an electric condenser, a programmed ATtiny85, and other components on a PCB board that could recognize the sound of two consecutive claps in order to turn ON/OFF a GFCI outlet box

*Mario Maker* 2017 - Simulating the graphics and physics associated with MarioMaker using Java GUI Swing and also created a map editor that replicated creativity that Mario Maker conveyed

*Pacman* 2017 - Knock-off version of pacman using Java GUI Swing

### Experience:

San Carlos Youth Advisory Council (2016-2019)

Awesome Math Camp (2017)

Volunteer Math Tutor for Elementary School Kids (June 2015 - July 2015)

### Technical Skills:

C, Java, Python, HTML/CSS

### Activities:

CMU Varsity Cross Country (2019 - present)

Varsity High School Track & Field (2017 - 2019)

Varsity High School Cross Country (2016 - 2018)

Computer Science Club (2016 - 2019)

### Honors:

Bruce Usher Memorial Scholarship 2019 - Awarded based on Math and Athletics

CCS Scholar-Athlete Scholarship 2019

San Carlos Kiwanis Outstanding Achievement Scholarship 2019  
San Mateo Daily Journal Cross Country Athlete of the year 2019