Tristan Ha

tristaqh@uci.edu | linkedin.com/in/tristanha | TristanHaHa.github.io

EDUCATION

University of California, Irvine *Oct 2020 – Jun 2023 (Expected)*

Bachelor of Science, Computer Science | Credits: 72/180

- <u>Selected Coursework:</u> Programming with Python Software Libraries, Boolean Algebra & Logic

Granada Hills Charter High School *Aug 2016 – Jun 2020*

Valedictorian | GPA: 4.41

- AP Computer Science *(4)* AP Calculus BC *(5)*, AP Physics C (5), Basic Data Structures & Algorithms

WORK EXPERIENCE

US Forest Service - Remote Programming Intern *Sep 2020 – present*

- Will develop Python and SQL scripts with partner under team mentor to automate database entry

SKILLS

Programming Languages:	**Technologies:**
Python, Java, JavaScript, HTML/CSS	Git Bash, GitHub, Arduino, Pygame, Atom

PROJECTS (available at **github.com/TristanHaHa**)

Catan Statistics Tracker - <u>Python</u> *Aug 2020 – Sep 2020*

- Designed a board game statistics tracker with auto scaling bar graphs utilizing PyGame framework
- Programmed an automatic dice roller and turn tracker, reducing average player turn time by ~**50%**

Tetris Game - <u>Java</u> *Mar 2020 – Jun 2020*

- Implemented Tetris in Java utilizing Java Swing Graphics and object oriented programming

Microcontroller Binary Communicator - <u>Arduino</u> *Mar 2019*

- Developed a microcontroller binary communication program with partner using sound sensors
- **Won 1st place** in "Technical" category in Microsoft-sponsored hackathon **(50+ competitors)**

Voter's Choice App - <u>JavaScript</u> *Aug 2018 – Oct 2018*

- Produced an award-winning voting app with a quiz matching algorithm with JavaScript in AppLab
- **CA District winner** of nationwide Congressional App Challenge **(5,529 competitors 1,715 apps)**

INVOLVEMENTS

Students for Success High School Club

- As **co-founder**, lead bi-weekly meetings and educated **15+** members about practical adult skills

High School Math Tutor

- Tutored math classes (up to Calculus) for **2** teachers; reviewed problems, taught concepts weekly

Vietnamese Eucharistic Youth Movement

- Teach weekly classes of **15+** children; lead leadership camps of **40+** people as assistant counselor

AWARDS

President's Education Award *(2020)*

National AP Scholar *(2020)*

Excellence in **Computer Science**, Mathematics, Visual and Performing Arts Awards *(2020)*