Tristan Ha

tristaqh@uci.edu **|** Los Angeles, CA **|** (818) 457-7877
github.com/TristanHaHa **|** TristanHaHa.github.io **|** linkedin.com/in/TristanHa

EDUCATION

University of California, Irvine *Jun 2023 (Expected)*

Bachelor of Science, Computer Science | *Credits*: **72/180**
- Selected Coursework: Advanced Python Programming, Boolean Algebra & Logic

Granada Hills Charter High *Aug 2016 -- Jun 2020*

Valedictorian | GPA: **4.41** (*Gold Honor Roll*)
- 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 automate database entry using Python scripts and SQL queries with teammate under mentors

SKILLS

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

PROJECTS (available at github.com/TristanHaHa)

Catan Statistics Tracker - Python, PyGame *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 >4**0%**

Tetris Game - Java, Java Swing *Mar 2020 -- Jun 2020*
- Implemented Tetris in Java utilizing Java Swing Graphics and object oriented programming

Binary Communicator (Hackathon) - Arduino *Mar 2019*
- Developed a microcontroller binary communication program with partner using sound sensors
- **Won 1st place** in "Technical" category in Microsoft-sponsored eTexathon(); **(50+ competitors)**

Voter's Choice App - JavaScript, AppLab *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 overall competitors)**

INVOLVEMENTS

Students for Success 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

National AP Scholar (2020): averaged a score of **4.5** (out of 5) on **12** College Board AP Exams
Excellence in **Computer Science**, Math, Visual/Performing Arts (2020): nominated by **3** teachers