

# Tristan Ha

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

## EDUCATION

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### University of California, Irvine

Oct 2020 - Jun 2023

*Bachelor of Science, Computer Science*

- Selected Coursework: Advanced Python Programming, Boolean Algebra & Discrete Structures

### Granada Hills Charter High

Aug 2016 - Jun 2020

*Valedictorian* | GPA: **4.439** (*Gold Honor Roll*)

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

## WORK EXPERIENCE

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### US Forest Service - Remote Programming Intern

Sep 2020 - Present

- Will automate database entry using Python scripts and SQL queries with teammate under mentors

## SKILLS

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### Programming Languages:

Python, Java, JavaScript, HTML/CSS, SQL

### Technologies:

Git Bash, GitHub, Arduino, PyGame, Atom

## PROJECTS (available at [github.com/TristanHaHa](https://github.com/TristanHaHa))

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### 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 **>40%**

### 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 Competition) - [JavaScript](#), [AppLab](#)

Aug 2018 - Oct 2018

- Created an award-winning voting app with a quiz and a candidate-matching algorithm
- CA District winner** of nationwide Congressional App Challenge (**5,529 overall competitors**)

## INVOLVEMENTS

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### 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 and taught concepts weekly

### Vietnamese Eucharistic Youth Movement

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

## AWARDS

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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