

Bryan G Hwang

(Proespective Computer Scientist)

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EDUCATION:

University of California Berkeley - August 2022 - 2026

Eleanor Roosevelt High School - Graduation Date: May 2022

Currently Enrolled Classes

Computer Science 61A

Math 1A

LEADERSHIP & PRE-PROFESSIONAL EXPERIENCES:

Astrohwang

(2021-Present)

Editor-in-Chief and Website Developer

- Researched various topics using simulations and papers
- Created videos displaying the use of simulations
- Created blogs regarding basic computer science and engineering concepts

UCI Aspire

(July 2021)

Student

- Learned the basics of creating circuits using a computer-aided drafting software
- Used the basics of Python and matrices to create displays on a virtual Sense Hat
- Initialized and created a program to autorun VNC Viewer server on Raspberry Pi startup

Technic Tennis

(2021-Present)

Founder

- Created a website with information for beginner, intermediate, and advanced tennis players
- Worked with former top 5 junior tennis players to create blog posts and coaching sessions
- Created and edited videos highlighting different technical aspects of tennis
- Researched different topics in the tennis industry regarding racquets, strings, and other equipment

Youth Ladder Organization

(2020-Present)

Co-Founder

- Co-Founded Youth Ladder Organization in order to help local community members that were affected by the pandemic
- Offered and held free tennis lessons for local community members
- Worked with team members to organize lessons within the cities of Eastvale and Chino Hills

Leukemia and Lymphoma Society

(2021)

Promotions and Marketing

- Created graphics and social media posts in order to raise awareness for cancer fundraiser
- Collaborated with students across California to create social media presence and raise money for cancer patients that were financially impeded by the pandemic
- Ran personal fundraiser across a span of 3 months by reaching out to members of my community

Eastvale Street Cleanup

(2019-Present)

Founder

- Founded a nonprofit organization and adopted a local street near an elementary school in my city
- Brought together members of the community to clean street which is used by elementary school students to walk home

Korean Culture Club

(2018–2020)

Secretary

- Facilitated biweekly meetings where members and guests of the club would come together to discuss and share various aspects of Korean culture
- Planned events during the meetings and presented traditional Korean clothing, old Korean board games, and other aspects of the culture.
- Hosted public events where members of the club would share Korean food that they made and had members of the local community who wanted to learn more about the culture attend.

Roosevelt Varsity Tennis Team

(2020–Present)

Team Captain

- Worked with a coach to run practices and coached individual players
- Communicated information regarding matches and practice times to teammates
- Guided visiting teams during home games to correct courts before and after matches
- Worked with team budget coordinating with ASB
- Planned banquets and team fundraising activities

School Tutoring Services

(2019–2020)

Mentor/Tutor

- Did after school tutoring for students ranging from middle school to high school
- Tutored students in Chemistry, Precalculus, Math 3, and Biology
- Worked with other tutors to help large groups of students that sought help

EXTRACURRICULAR ACTIVITIES:

Varsity Tennis CIF

(2019–Present)

Doubles 1

- Played matches against other schools within the district
- Played in preliminary matches for interstate competition
- Attended after-school practices

Orange County Astronomers

(2019–Present)

Member

- Attended lectures regarding various topics in astronomy such as how to view the Northern Lights
- Attended monthly member meetings to discuss the use of telescopes and other instrumentation

Global Youth Mission

(2020–Present)

Member

- Participated in events to help members of the community
- Focused more specifically on members of the community that were impeded greatly by the coronavirus
- Attended virtual meetings where discussions were held about future events and projects

Youth Investors of America Stocks Club

(2020–Present)

Competitor

- Competed with other members of the club across California in mock investing competitions
- Learned independently about the stock market and various ways to analyze data

- Researched different shares and learned different ways of investing

Red Cross Foundation

Member

(2020–Present)

- Participated in events to help homeless individuals
- Attended online meetings where different projects and events were discussed

Science Olympiad Club

Competitor

(2020–Present)

- Independently studied building studies and designs
- Competed against other teams within California
- Created boomilever and optimized the materials used through SkyCiv application
- Placed Top 5 within region

Korean American Youth Performing Arts (KAYPA)

(2016–Present)

Performer and Assistant

- Learned and practiced traditional Korean dances & instruments
- Performed in various concerts across California
- Built traditional Korean palanquin used for concerts like the Hollywood Parade

A Guide to Korean Cultural Arts

(2019)

Writer

- Submitted chapter for a published book in conjunction with KAYPA
- Researched the historical spread of Buddhism across East Asia
- Collaborated with editors and other writers to revise chapter

Tennis Anyone

(July 2021–Present)

Coach

- Coached students ages 4–17 in a local tennis clinic
- Worked under the city to host tennis lessons for over 40 students
- Worked with other coaches to maintain a tennis academy for three days a week

Eleanor Roosevelt High School Esports

(2020–Present)

Varsity

- Played online matches against other schools within the PlayVS jurisdiction
- Practiced with the team and studied matchups against other schools

Honors and Awards:

Silver Congressional Medal

President's Award For Volunteering

World Taekwondo Federation 1st Poom Black Belt Certification

Gold Honor Roll

International Astronomy and Astrophysics Competition Award

Science Olympiad Top 5 Regional Award

IBMYP Medal

AP Scholar with Awards

UCI Most Resourceful

Big 5 Gold Student-Athlete Honor Roll