

Kevin Nie

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EDUCATION/HONORS

- Stuart Hall High School Weighted GPA: 4.59
- AP Scholar
- Sophomore Prize in Science
 - Each department meets at the end of the year to discuss award recipient candidates, each with their criteria. Two or three awards are given out each year per grade to the boy's school. Evaluations are based on curricular and extracurricular projects.
 - Demonstrated leadership and desire to help others by teaching and acting as a TA to help students on Chemistry topics.

SKILLS

- Technical Skills
 - Java, Python, C++, C#, HTML, JavaScript, Jupyter notebooks
 - Blender, Fusion360, Unity
 - Arduino, Raspberry PI
 - Reinstalling operating systems
- Language Skills
 - Mandarin
 - Intermediate level
 - Spanish
 - Intermediate level
- Leadership Skills
 - Senior Patrol Leader for Boy Scout Troop
 - Robotics Club President
 - Coding Club President

ACTIVITIES

- Stuart Hall Varsity Badminton March 2021 - Present
 - Varsity team captain, playing in the men's singles spot, in charge of supporting the coach to organize drills
 - Have played 50+ league matches and 1 Bay Area Conference tournament. Due to a broken wrist my Junior year, was not able to play in the second half of the season and the Bay Area Conference tournament that year
 - Helped out by training the team as coach's assistant; coordinated team building events
- 3D Game Design For Social Good Project June 2022 - October 2022

- Participated in a 3D Game Design for Social Good Project mentored by a professor from Rensselaer Polytechnic Institute
 - Designed, rigged, animated, and coded the main character using Unity Game Engine and Blender, a 3D computer design tool
 - Led the team in creating a storyline centered around the game's theme: protecting the environment; facilitated discussion and communication among the coding, storyline, and art teams

- ABRSM Piano December 2012 - Present
 - Passed international Associated Board of the Royal Schools of Music Grade 8 Exam
- ArtWorks Class June 2015 - Present
 - Making many realism art pieces
 - Using my art to express my creativity and fundraising at church and gifted my art pieces to people I value in life
- Boy Scouts February 2017 - Present
 - Leading the troop in many activities and Eagle Projects as the Senior Patrol Leader
 - Responsible for delegating tasks, communicating with adult leaders, creating plans, and maintaining troop spirit and engagement
 - Life Scout with finished park rehabilitation Eagle Project
- Clemson Ethics Debate Competition February 2023 - March 2023
 - Participated in the Clemson University High School Ethics Case Competition with a partner
 - Researched on liver transplant options, presented our solution to the ethical dilemma
 - Exchanged opinions on these ethical cases with coach, friends, and teachers, learned about what each team thought the most ethical solution was
- Inspirit AI June 2023 - June 2023
 - Learned Logistic Regression, Natural Language Processing, Convolutional Neural Networks AI models
 - Implemented Facial Emotion Detection using Python
- MIT BWSI July 2023 - August 2023
 - Selected as 1 of 30 students to participate in MIT Beaver Works Summer Institute sponsored by MIT Lincoln Laboratory and School of Engineering
 - Learned physics behind Remotely Operated Vehicle (ROV) movement
 - Led team of 5 to implement ROV fiducial tag following using Python
 - 1 of 3 out of 6 teams that completed final project successfully
- AI Sports Injury Analysis Research Project August 2023 - Present
 - Working on a data extraction, organization, and analysis research project under a University of Pennsylvania professor's guidance.
 - Our goal is to build an AI model for automating diagnoses, reducing ER wait times.
 - As the team lead, I guide younger students in using the database and Excel for data manipulation.
- Conrad Challenge October 2023 - Present
 - Goal is to make innovative idea into product.
 - The issue the team and I want to solve is that proper splints are not available to most injured individuals.
 - We came up with this idea: a portable splint that also cools so that it can both support the injury and prevent inflammation.
 - As the main product designer, I devised the splint's design and how it functions.

AWARDS/HONORS

- ABRSM Grade 8 Piano
- Boy Scouts of America Life Scout
- 3rd Place in Clemson Ethics Debate Competition
- Heart of a Champion 3x for Stuart Hall Varsity Badminton

VOLUNTEER SERVICE

- San Francisco Public Library Tech Help June 2022 - Present
 - Volunteering weekly in a disadvantaged inner city San Francisco neighborhood
 - Solving computer related issues for residents who know little to no English
 - Helping the library with other tasks such as cutting out paper pamphlets, organizing shelves, etc
- Piano Accompaniment for Assembly of the Living God August 2018 - Present
 - Playing piano accompaniment for the church congregation to sing along to
 - Playing in a variety of church fundraisers for those in need and talent shows for community holiday celebrations