Andrew Yuan

ayuan2@andrew.cmu.edu — (408) 802-7913

EDUCATION

Carnegie Mellon University, Pittsburgh, PA   May 2027

BS in Statistics and Machine Learning, Additional Major in Computer Science

Lynbrook High School, San Jose, CA   June 2023

NOTABLE RESEARCH EXPERIENCE

Scholar Launch Research

"Age Determination of Open Clusters using Isochrone-Fitting through a Novel Machine Learning Model"

- Synopsys Science Fair, 1st Award, IEEE award   2022
- Competed at the California Science & Engineer Fair   2022

UCSB Summer Research Academies

"Predicting Parkinson's: Using Neural Networks to Evaluate the Genetic Risk Factors Behind the Disease"

- Published in the Journal of Student Research   2020

Independent Research

"A Novel Deep Learning Approach for Detection of Pneumonia from Chest X-rays"

- BioGENEius Challenge, Finalist   2021
- Synopsys Science Fair, Honorable Mention   2021
- Published in the Journal of Student Research   2021

"Early Diagnosis and Characterization of Sepsis Using Machine Learning"

- Synopsys Science Fair, 2nd Award   2020

ACTIVITIES & LEADERSHIP

Science Olympiad Club, Lynbrook High School   2019-2023
Treasurer (2020), VP (2021), President (2022)

- Managed tryout exams and team selection
- Coordinated three teams of students at various invitational, regional, and state competitions
- Led school to second place at the 2023 NorCal State Finals (best in school history)

SKILLS

Languages

Java, Python, C++, R, LaTeX, HTML, CSS

AWARDS & HONORS

3x USA Physics Olympiad Honorable Mention   2021-2023