

Bryan Yu

bryanleyu@ucla.edu | 510-925-3266 | linkedin.com/bryanleyu

EDUCATION

University of California, Los Angeles | B.S. Computer Science Sep 2024 - Jun 2028

Extracurriculars: DataLearn - Data Science, Association of Computing Machinery - Artificial Intelligence GPA: 4.0

Courses: Intro to C++, Data Structures & Algorithms, Multivariable Calculus, Statistical Reasoning

University of California, Berkeley | PreCollege Scholars Jun 2022 - Aug 2022, Jun 2023 - Aug 2023

Courses: DATA8: Foundations of Data Science, CS61A: Structure & Interpretation of Computer Programs GPA: 4.0

California Crosspoint High School Aug 2020 - Jun 2024

Class Valedictorian, SAT: 1510 (Superscore) GPA: 4.51

Extracurriculars: Varsity Volleyball, Lion's Club Speech, National History Day, Chorale

EXPERIENCE

City of Hayward Councilmember Sara Lamnin Jun 2021 - Aug 2021

Software Developer Intern Hayward, CA

- Showcased PDF analyzer software, implemented translation feature, account system, and dashboard with intern team
- Collaborated with 2 other interns to create user interface, improving resident access to local government info
- Led Community Interest Survey to get community input on software features

LEADERSHIP

FIRST Robotics Competition, Team 2204 Aug 2020 - Jun 2024

Electrical and Programming Manager Hayward, CA

- Managed projects and assigned tasks using Monday.com, streamlining team workflows and productivity
- Facilitated cross-functional communication between Electrical and Programming teams, while leading training sessions
- Built robots by leveraging expertise in software, pneumatics systems, power tools, and electronics

High School Student Government May 2021 - Jun 2024

Student Body Treasurer Hayward, CA

- Elected to represent student body, working with 4 class and 20+ club treasurers
- Budgeted student body treasury of \$20,000+, leading school events with 200+ students
- Implemented new system for efficient reimbursement through collaboration with class officers and club leaders

Afterschool Robotics Program Oct 2022 - May 2023

Lead Robotics Teacher and Founder of Program Hayward, CA

- Coordinated scheduling and logistics with afterschool enrichment program director to initiate program
- Delegated teaching responsibilities to 2 other student teachers, worked together to create curriculum for the class
- Taught 4 elementary students engineering concepts like structural integrity and gear ratios with engaging battle bots projects

PROJECTS

Scheme Interpreter: Utilized Python to create a scheme interpreter with tail-call optimization

Convolutional Neural Network: Utilized PyTorch to train and test an image recognition CNN

Pac-Man: Used GridWorld GUI and Java to make a playable Pac-Man game

Wordle: Created a C++ program that selected random words for the player to guess and gave clues after each guess

SKILLS

Programming Languages:

C++, Java, Python, Scheme, R, SQL

Technical Skills: Proficient

Software/Frameworks:

Pytorch, Pandas, Fusion 360

Software Skills: Proficient

Communication:

Chinese: Mandarin and Cantonese

Language Fluency: Intermediate