

Ryan Kim

ryddkm@gmail.com • San Jose, CA • (408) 316 5693 • [GitHub](#) • [LinkedIn](#)

Education

University of California, Los Angeles

Electrical Engineering B.S.—1st Year

Relevant Coursework: CS31, CS32, Physics 1B

Los Angeles, CA

June 2028

Skills

Frameworks/Libraries: CSS, Bootstrap, Tailwind, React, Express, Firebase, Flask

Languages: Python, C++, Java, JavaScript, nodeJS

Other: GitHub, microcontroller programming, circuit design, also speak Korean & Chinese (working prof.)

Experience

X1 Robotics @ ASME UCLA

Power Systems Lead

Los Angeles, CA

October 2024 – Present

- Design and assemble all circuits, wiring and electrical components for Bruin Bear robot
- CAD, compute power requirements, wiring diagrams, build and integrate circuit into bear chassis and ensure smooth operation of bear sensors, onboard microcontroller and leg motors with inter-team communication

United States Fencing Association

R1-rated Referee

Colorado Springs, CO

June 2019 – Present

- Officiate and manage tournaments of 1000+ people, including tournaments on a national level
- Work with large teams of up to 60+ other referees to ensure a smooth tournament experience for competitors and attendees
- Assertively resolve confusion and conflict with tournament participants, coaches and parents
- Mentor inexperienced referees to promote growth of fencing as a sport

Leadership and Activities

PioneerHacks III, IV, V

Head Organizer (2024), Head of Technology (2022-2023)

Sunnyvale, CA

March 2022 – May 2024

- Grew PioneerHacks V as Head Organizer by ~100% to 170+ participants and 40+ teams (compared to PHIV year-over-year)
- Work with companies such as Juniper Networks for event logistics and a memorable hackathon experience at Aspiration Dome; involve sponsorship coordination, judge/mentor outreach, event promotion, budgeting and team leadership
- Developed hackathon PioneerHacks promotional website @ pioneerhacks.org (domain is now down, check wayback machine); manage Devpost page, hacker resources, and project verification; create judging algorithm/tableau (PHV) and coordinate remote infrastructure (PHIII)

Tinovation @ Cupertino High School

President (2024), Web Development Mentor (2022-23)

Cupertino, CA

August 2021 – May 2024

- Biggest software club at school, 50+ members per year, 7+ years of continuous operation
- Teach web development (HTML, CSS, JS, node) as mentor; expand scope as President to include lessons also covering AI/ML, git, databases (see tinovation.org/resources); head club operations and coordinate events
- Led a team to build several applications every year using technologies including web, UI/UX, servers, databases, authentication—best are showcased on tinovation.org