

Kaveer Gera

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SUMMARY

I'm an incoming student studying Industrial Engineering & Operations Research at the University of California, Berkeley, and an engineering, robotics, computer science, fencing, Scouting, aerospace, and automobile enthusiast.

EDUCATION

- The Athenian School, Danville, California: 2019 - 2023
Physics Teaching Assistant: 2020 - 2022
GPA to date: 4.39
Test scores: ACT: 36 AP Computer Science A: 5 AP Calculus AB: 5
National Merit Scholar finalist
- Completed a technical writing course at Brigham Young University with an A letter grade: summer 2020
- Experience with Python, Java, Kotlin, HTML, and CSS

CERTIFICATIONS

- CPR, AED, and First Responder certified by the American Red Cross

ORGANIZATION AFFILIATION

- Member and Robot Build Manager (captain), FIRST Robotics Competition Team 852 (70-person high school robotics team): 2019 - 2023
- Eagle Scout, the highest rank in the Boy Scouts of America – Boy Scout: 2016+
- Elected by peers to the Order of the Arrow, the national honor society of the Boy Scouts of America dedicated to exceptional service and leadership development: 2021+
- Competitive fencing team member at West Berkeley Fencing Club: 2017 - 2022
- Named to the USA Fencing All-Academic First Team: 2020, 2021
- Speech and Debate Extemporaneous Speaking Team Captain: 2021 - 2022
- Founding member of a Robot Open Autonomous Racing (autonomous driving software competition hosted by UC Berkeley) team which received a grant from UC Berkeley for development: 2022-2023

PROJECTS

- Completed a research project to develop a tactile gripper for an industrial robotic arm at the ASDRP private research institution: summer 2021
- Completed a project using AI and computer vision to detect distracted drivers during a course taught by Stanford graduate students: summer 2020
- Created the Student Community Model, a project to make it easy for any student to create an excellent place for their school to communicate used by over 180 students at my school: 2020+

LEADERSHIP

- Robot Build Manager, FIRST Robotics Competition Team 852: 2022 - 2023
- Speech and Debate Extemporaneous Speaking Team Captain: 2021 - 2022
- Teaching assistant at Bot Bash (robotics summer camp for children): 2018 - 2019
- Selected to teach robotics (a paying position) to middle school students during the summer of 2020 (unfortunately, the program was cancelled due to COVID-19)
- Patrol leader of one of the United States contingents (Troop USA 417) during the 2019 World Scout Jamboree, a two week international gathering in West Virginia of over 40,000 Scouts and adult leaders from 152 countries
- Completed Boy Scouts ILST (Introduction to Leadership Skills for Troops) training
- Various leadership positions in my Boy Scout Troop, including Senior Patrol Leader of a 45 scout troop during a week long campout in 2019, Patrol Leader from 2018 to 2020, Assistant Patrol Leader in 2019, and Webmaster in 2019
- Den Chief for a Cub Scout Pack located at a local elementary school: 2019
- Founded the 70-member Poker Club at The Athenian School

COMMUNITY SERVICE

- Elected by peers to become a member of the Order of the Arrow, the national Boy Scouts of America honor society dedicated to exceptional service and leadership development
- Updated website for a local nonprofit providing childcare to local residents and essential workers: summer 2020
- Many community service projects, including volunteering on a marshland preservation project with Save the Bay, showcasing projects at multiple children's STEM events, helping with a local rummage sale charity event, volunteering at the local library, helping run a full-day Cub Scout event, cleaning garbage from Bay Area shorelines, performing landscape maintenance at a local church, and sorting produce to be distributed at local food banks