

# ROSHAN JAISWAL-FERRI

1206 8<sup>th</sup> Ave, San Francisco, CA, 94122 · (415) 225-0811 · roshan.sf@icloud.com · www.linkedin.com/in/roshan-jf  
California Polytechnic State University – San Luis Obispo

## SUMMARY

I am an aerospace engineering student with a lot of hands-on experience and 3+ years of leadership roles. I am seeking to expand my knowledge in an engaging fast paced workspace while pursuing my degree.

## Education

SEPTEMBER 2022 – CURRENT

**AEROSPACE BS (IN PROGRESS), CAL POLY – SAN LUIS OBISPO**

Majoring in Aerospace Engineering, GPA: 3.56.

AUGUST 2018 – JUNE 2022

**DIPLOMA, GATEWAY HIGH SCHOOL**

3.87 (4.17 weighted) GPA, Top 9%, Honors for all 4 years, 6 AP courses, and 5 Honor courses.

## SKILLS

- Leadership
- Communication
- Product/Part Design
- Project Management
- CAD Design
- Manufacturing
- Programming/IT
- Teaching
- Accountability

## ACTIVITIES

Home Web development. Outside of academics I keep active by cycling. I've volunteered at a local bike camp to help teach kids how to ride, and I have also participated on a competitive mountain biking team for two years as well as casual bouldering since mid-2021.

## AWARDS

**Mission Bit Programming:** 2<sup>nd</sup> place web design a city-wide exposition of student work.

**Gateway High School:** Principal's Subject Area Award - Math

## EXPERIENCE

SEPTEMBER 2022 – CURRENT

**AERO TEAM MEMBER, CAL POLY RACING FORMULA SAE**

Responsibilities include designing, manufacturing, and testing new parts including working with carbon fiber, machining components, and 3D CAD on multiple programs. I have fabricated front and rear wings using carbon fiber composites and polymer resins. I am also responsible for designing, testing, and integrating aerodynamic sensor mounting for pitot tubes and pressure taps.

2021 – 2022

**CO-CAPTAIN, FIRST ROBOTICS 4973**

As team lead, responsibilities included budgeting, marketing, team oversight, scheduling, design overview, and general project management. I learned to make decisions under pressure and how to communicate with my co-captain to make the best decisions for the team. I also assembled an electrical system and sensor array capable of autonomous aiming and firing of dodge balls. Led the team to a record 10<sup>th</sup> place finish in our regional competition.

2019 – 2022

**ELECTRICAL LEAD, FIRST ROBOTICS 4973**

Responsible for communicating design restrictions and capabilities of electrical components, designing and assembly of the electrical system, and manufacturing of custom parts. I was responsible for integrating all the robot's moving parts into a modular and accessible structure for improved reliability.

2020

**ASSISTANT COACH, WHEEL KIDS BICYCLE CLUB**

Leading groups on all-day trips around San Francisco and the greater bay area on bicycles.

2019 – 2022

**EVENT COORDINATOR, GATEWAY HIGH SCHOOL INDIGENOUS PEOPLES CLUB**

Coordination and event planning of school-wide events with teachers and administration to feature in-person and video-conference speakers.