Roshan Jaiswal-Ferri
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EDUCATION

California Polytechnic State University – San Luis Obispo Expected May 2026
Major: Aerospace Engineering — Relevant Clubs & Coursework:

- *SLO Propulsion Technologies*, Turbojet Data Collection
  - Jet engine design project on data collection, using C++, MATLAB
  Hand soldered SMD electronic components
- *Cal Poly Space Systems*, Liquids Team
  - Project on Carillion bi-prop rocket engine design using CAD
  - Studied bi-propellant rocket engines and CNC machining
- *Formula SAE*, Aerodynamics Team
  - Designed sensor mounts and parts with Solidworks and Fusion360
  -Worked on 6+ carbon layups, including post processing
- AERO 302 & 320– Fluid Dynamics & Flight Controls/Dynamics
- AERO 300 – Computational Numerical Analysis
- AERO 299 – Aerospace Thermodynamics
- ME 211 & 212 – Engineering Statics & Dynamics

Gateway High School – San Francisco June 2022

- Principals Award in Mathematics
- Mission Bit Programing, 2nd place web design a city-wide exposition of student work
- First Robotics Competitions, Captain, led team to highest all-time finish, electrical lead
- SF Composite, competitive mountain biking team

PROFESSIONAL EXPERIENCE

C.Scale, Programming Intern Summer 2024

- Created scripts to interact with multiple APIs
- Wrote code to interact with data, saving to and creating custom data structures

City and County of San Francisco, *Electrical Engineering Fellow* Summer 2024

- Taught electrical engineering and programming skills to high school students
- Highlighted career paths with local sponsors Google, LindkedIn, Waymo

City and County of San Francisco, *Architect and Engineering Fellow* Summer 2023

- Co-lead workshops with high school students in architecture and engineering
- Designed curriculum to introduce students to engineering careers

Gateway High School, *Robotics Mentor* Spring 2023

- Volunteered to mentor high school robotics team in regional competition

Cal Poly San Luis Obispo, Dining Hall Cashier Fall 2022 to Spring 2023

- Learned customer service and earned income to support college expenses

PROFESSIONAL SKILLS

Programming languages: Python, MATLAB, Learning C++
Computer software/ frameworks: MS Office, Solidworks, Fusion360
Machining: Lathe, Mill, Carbon Layups, Additive Manufacturing, learning CNC