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Palmdale, CA 93550

Giselle Orellana

Aspiring Mechanical Engineer

EDUCATION

Palmdale Highschool

2021-2025

Palmdale, CA 93550 GPA: 4.5

Cal Poly Humboldt

2025-2029

Arcata, CA

Bachelor of science in Mechanical Engineering

AWARDS

ARC Competition 1st Place

2024

Lockheed-hosted Aerospace robotics competition, 1st place prize: \$1,400 amongst my team of 3

ARC Competition 2nd Place

2023

Lockheed-hosted Aerospace robotics competition, 2nd place prize: \$1,000 amongst my team of 3

ARC Competition 2nd Place

2022

Lockheed-hosted Aerospace robotics competition, 2nd place prize: \$500 amongst my team of 5

Skills USA (State level)

2024

2nd Place Commercial Drones Competition

STEM fair 2nd place

2023

2nd place awarded for a reverse engineering project where me and my team deconstructed a laptop and researched each component & its significance

PROJECTS

CAD modeling

2025

* Designed & 3d printed a decorative mask based on uploaded photos on my facial features using fusion 360

Flight Planner

2024

* Coded a drone to autonomously follow a set waypoint path and achieve different objectives during flight

WORK EXPERIENCE

Northrop Grumman Global Supply Chain Internship

Summer 2025

+Organize and facilitate inventory management system of aircraft supplies
+Design and develop concepts for protective gear for the camera lens of an active surveillance aircraft via CATIA

SKILLS

- * CAD modeling (2 years)
- * Drone experience (4 years)
- * Experience with power tools (Drills, Band saw, Dremel, Sanding belt, 3D printers, Laser cutters, CNC milling machine) (4 years)
- * Composite Materials (1 year)
- * Wiring electrical systems + Soldering (3 Years)
- * Drone photography (2 years)
- * Video editing (2 years)
- * Baking (2 years)