

# Joshua E. Parra

FLAGSTAFF, AZ

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[LinkedIn Profile](#)

## Education:

AUGUST 2021 – PRESENT (GRADUATING IN MAY 2025)

**Northern Arizona University, Flagstaff, AZ** – *B.S. in Mechanical Engineering, GPA: 3.82*

## Work Experience:

MAY 2023 - AUGUST 2023 & MAY 2024 - AUGUST 2024

**Alpha Elevator Control, Sacramento, CA** – *Intern / Full-time Employee*

- Processed work orders in assembling, wiring, and testing of various elevator control systems
- Analyzed and offered suggestions to solve production problems in house and at client sites
- Regularly attended meetings with management and mentors to discuss the strategic vision for the company

JANUARY 2023 – MAY 2024

**Northern Arizona University, Flagstaff, AZ** – *Research Assistant / Mentor*

- Researched mentoring program to help first-year Hispanic STEM students
- Helped the students adjust to the University and establish peer and professional relationships
- Results show students flourished and made connections due to program

## Projects:

AUGUST 2024 – PRESENT (ENDS IN MAY 2025)

**Senior Capstone Project: Catheter Roller**

- Team project in bio-mechanical robotic systems
- Personal roles in CAD design and testing
- Provides real time data for catheter movement
- Research brain aneurysms using vein networks

APRIL 2020 – JUNE 2020

**COVID-19 Door-Opener**

- Produced contactless door-opening devices
- Helped community during lockdown
- Fulfilled multiple orders / Managed supply chain
- Gained entrepreneurial and sales experience

## Skills & Qualifications:

### **Program Applications**

- Additive manufacturing: FDM printing – Door opening project / personal hobby
- CAD: SolidWorks – Capstone design / Personal project
- Coding: MATLAB – Calculator for transient fluid flow / Heat flow map

### **Leadership and collaborative work ethic:**

- Problem Solving
- Earned rank of Eagle Scout in 2020
- Served as the Jury Foreperson during a California Superior Court criminal trial in 2022
- Held Secretary role for Society of Hispanic Professional Engineers, NAU chapter in 2023-2024
- Interpersonal skills
- Creativity