

Joseph Lopez

480-658-3974 • Flagstaff, AZ • lopezjoe480@gmail.com

EDUCATION

Flagstaff, AZ

Northern Arizona University | BS in Mechanical Engineering

Graduation Date: Dec 2024

Chandler, AZ

Hamilton High School | High School Degree

Graduation Date: May 2020

WORK EXPERIENCE

Project Engineer Intern

May 2024 – August 2024

Southland Industries | Tempe, AZ

- Focused on HVAC systems within the Design/Build construction process, supporting field labor, managing document control, and participating in design and subcontractor meetings.
- Assisted with equipment procurement, budget and cost projections, and project scheduling.

Delivery Driver

May 2022 – August 2022

Bobo China | San Tan Valley, AZ

- Efficiently handled fast food delivery, prioritizing on-time and accurate service in a demanding environment.

RELEVANT COURSEWORK AND SKILLS

Northern Arizona University | Coursework

- **SOLIDWORKS:** Can utilize the program SOLIDWORKS to view and model various forms and parts, as well as to assemble various components.
- **MATLAB:** Proficient in the MATLAB programming language. Able to model out several different functions and use the language to effectively find solutions to a variety of issues.

Skills

- Leadership and Communication.
- Spanish language proficiency.
- Critical Thinking and Problem solving.
- Public Speaking

PROJECTS

Senior Capstone Project HAMSTER (Current):

- Leading a team to design a cost-effective rehabilitation robot for stroke patients, featuring a Raspberry Pi, motors, and omnidirectional wheels.
- Overseeing all project stages, from design and coding to manufacturing, with completion expected in December 2024.

EGR 386W Group Project (2023):

- Collaborated with engineering classmates to develop a solar-powered generator with sun-tracking panels, focusing on planning and organization to prepare for our capstone project.

AWARDS

- **Opportunity Scholarship NAU** (Northern Arizona University) 2020: Recognized by Northern Arizona University for maintaining a specific high school grade point average.
- **ACE Scholarship** (Maricopa Community Colleges) 2018: Recognized by Maricopa Community Colleges for academic success despite hailing from a low-income background.