

David Lutz

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EDUCATION

Northern Arizona University

B.S. , in Mechanical Engineering,

Flagstaff, AZ

Expected December 2025

Honors: Deans List (Spring 2025)

Activities: Delta Chi Fraternity (Alumni Relations, Executive Board Advisor),

EXPERIENCE

Robotic Hand Project

Flagstaff, AZ

Senior Capstone

January 2025–Present

- Designing and manufacturing of a fully articulating robotic hand able to catch objects and exercise fine motor skills
- Developing a budget and schedule for the project • Participating in and presenting at a technology expo.

Website Development

Flagstaff, AZ

Senior Capstone

January 2025-Present

- Developing a fully functional website with multiple linked pages about my capstone project. • Building pages including student information picture galleries and overall aesthetics of the website

Lutz Plumbing, Inc.

Phoenix, AZ

Apprenticeship/Technician work

May 2020–August 2025

- Apprenticing for a master plumber (May 2020 - December 2023) • Assisting in billing, scheduling, customer support, as well as other business operations • Working as a technician individually doing service, new builds, and part installation.

Pomodoro Restaurant

Cave Creek, AZ

Server/Expo

May 2020–August 2021

- Waited tables and ran food for a high end italian restaurant • Trained new employees in the extensive duties of the server and expo positions

SKILLS & INTERESTS

Languages: Spanish (Beginner)

Interests: Weight lifting, combat sports

Skills, 3-D CAD design and printing, Lab View, Matlab, Simscape