

Joseph Maresh

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Objective

Diligent and driven mechanical engineering student, skilled in creative and technological problem-solving, SOLIDWORKS, and upper-level math. Fast-learner, dedicated, and always up for a challenge. Seeking an internship or entry level job to gain mechanical engineering field experience.

Education

ONE YEAR OF GENERAL EDUCATION | MAY 2020 | CENTRAL ARIZONA COLLEGE

- Transferred to NAU to focus on engineering courses

BACHELOR'S DEGREE | IN PROGRESS – DEC 2025 | NORTHERN ARIZONA UNIVERSITY

- Major: Mechanical Engineering
- Related coursework: Engineering Design, Computer-Aided Design, MATLAB, Calculus I, II, and III, Differential Equations, Numerical Analysis, Applied Mechanics: Statics, Applied Mechanics: Dynamics, Mechanics of Materials, Materials Science, Engineering Analysis, Thermodynamics I & II, Machine Design I, Fluid Mechanics, Renewable Energy, Heat Transfer

Project Experience

ENGINEERING ANALYSIS PROJECT MANAGER | AUG 2023 – DEC 2023

- Led a team to apply statistical analysis with engineering applications to verify the accuracy of the volume of liquid dispensed by a coffee maker

ENGINEERING DESIGN SAR DRONE PROJECT | JUN 2024 – JUL 2024

- Team member of a Desert SAR drone design project for ME-386W course

CWC CAPSTONE PROJECT | NOV 2024 – DEC 2024

- Worked on a sub-team for CWC capstone to iterate and evaluate designs of a wind turbine blade

HUMANOID ROBOTIC HAND CAPSTONE PROJECT | JAN 2025 – PRESENT

- Currently work as a CAD Engineer and software sub-team member to design and build a robotic hand to be used in a mechatronics laboratory for furthering prosthetic research and applications

Work Experience

THE HOME DEPOT | MAY 2023 – PRESENT

- Lot Associate at The Home Depot
- Consistently work with teams of other employees to get projects and tasks done
- Taken leadership positions, always eager to help, and learn something new

Skills & Abilities

CREATIVE PROBLEM-SOLVING

- Adept at analyzing situations or problems in unique ways to find creative ways to solve them

COMMITMENT TO EDUCATION

- Always eager and willing to learn new skills to unlock new interests and achieve new heights

COMMUNICATION

- Well-versed in working with teams for projects and assignments
- Skilled in delivering presentations

LEADERSHIP

- Frequently and successfully takes up leadership positions in group projects and assignments

TECHNICAL PROGRAMS

- MATLAB
- Microsoft Excel
- SimScale
- SOLIDWORKS
- C++
- QBlade

Hobbies

- Self-taught guitarist
- Skilled at building computers
- Model building
- Strategy games