

DYLAN KURZ

MECHANICAL ENGINEERING - UNIVERSITY STUDENT



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PROFILE

Motivated engineering student pursuing a mechanical engineering degree. Team player that easily handles troubleshooting tasks and gives presentations to clients. Proven to work well within diverse, multi-discipline engineering teams to shoulder administrative and data management tasks.

SKILLS

- Solidworks
- MATLAB
- ANSYS
- Arduino
- Machining
- GD&T
- Soldering/Welding
- Microsoft Office
- Project Management

PROJECTS

SHOULDER EXOSKELETON

Northern Arizona University

August 2022 - Present

- Designed, iterated and built a fully functioning shoulder exoskeleton.
- Increased endurance and strength of user without compensating for mobility.

3D PRINTED MJOLNIR REPLICA

Personal

December 2022

- Designed a life-size replica of Mjolnir (Thor's Hammer) within Solidworks.
- 3D Printed using Cura and the AnyCubic Mega Pro

EDUCATION

BACHELOR OF SCIENCE - MECHANICAL ENGINEERING

Northern Arizona University

August 2019 - May 2023

Overall GPA: 3.23/4.00

Other Relevant Information -

- ASME Member
- Dean's List

RELEVANT COURSEWORK

Finite Element Analysis - Used the FEM within ANSYS and Solidworks to solve heat transfer and Statics problems.

Machine Design II - Designed a bevel gear system within Excel. Evaluated bearings using Timken Company standards, and force analysis upon shaft(s).

Heat Transfer - Solved convection, conduction and radiation problems using MATLAB

Experimental Thermal Fluids - Completed various laboratory experiments involving Bernoulli's equation, conduction through a wall, etc.