

ALEX NAGLE

Alexnagle@yahoo.com

Engineering Student at Northern Arizona University expected graduation date of Dec. 2022.

- Product Design and Modeling using CAD
- Excel in working in groups to accomplish goals
- Advanced Problem Solving

ACTIVITIES

Currently working on a low force stent crimping machine for W.L. Gore. Member of the Northern Arizona University, American Society of Mechanical Engineers. Member of the Northern Arizona University. Volunteer at Flagstaff Ark Daycare & Preschool.

EDUCATION

DECEMBER 2022

BACHELOR'S IN MECHANICAL ENGINEERING, NORTHERN ARIZONA UNIVERSITY

Courses in Thermodynamics, Fluid Mechanics, Experiment Design, and CAD Modeling. Excelled in courses that require teamwork and communication with peers.

GPA: 3.27 Cumulative

SKILLS

- Solidworks and CAD modelling
- Communication
- Experiment Design
- 3D Printing
- Teamwork and collaboration
- Self-learning

EXPERIENCE

2022 NAU GORE CAPSTONE: PROJECT MANAGER AND TEST ENGINEER

- Working with W.L. Gore to design and manufacture a low force stent crimping machine utilizing a crush iris with a radial force readout
- Facilitated communication between the Mechanical Engineering team and the Electrical Engineering Team as the Project Lead
- Main point of contact between the team and client, scheduling, and monitor progress. As the Test Engineer, tasked with running the main tests of the product and reporting results
- Designed a working prototype of the Stent Crimper, currently working on creating different test methods to test crimping force, diameter, and reliability

2021 THIRD YEAR-ENGINEERING DESIGN: SAE AERO

- Engineered an SAE AERO competition aircraft, initial stages
- Created a full CAD model of a competition aircraft, project presentation, and final report of the project

2021-22 ASME YEAR LONG PROJECT: 52-COUNT ESCAPE ROOM

- Built and engineered different items to create a working escape room
- Engaged with the project for over 75 hours
- Engineered a special lock box first in CAD software, then built it with wood. Utilizing a hidden compartment with a magnet lock system