

# ALEX NAGLE

[Alexnagle@yahoo.com](mailto: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