

Tristan S. Donnelly

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(928) 607-2859

Flagstaff, AZ

Objective

Multidisciplinary Engineering Major at NAU with coursework and experience in Mechanical and Electrical Engineering seeking employment in a related field.

Education

Northern Arizona University Flagstaff, Arizona

Expected May 2023

B.S. Multidisciplinary Engineering, Emphasis in Energy Engineering

Honors: Dean's List

GPA: 4.0

Northern Arizona University, Flagstaff, Arizona

May 2010

B.F.A Sculpture and Jewelry/Metalsmithing

Honors: Dean's List

Projects

Turbine Design Project, ME Capstone

Fall 2022/Spring 2023

- Co-lead of team responsible for designing a wind turbine for offshore installation
- Manufacturing team leader responsible for overseeing and facilitating all manufacturing processes

Biomechanical Ankle Project

Spring 2022

- Led a team of four in designing an ankle exoskeleton to improve the gait of people with disabilities
- Created CAD model and performed analysis in Solidworks and MATLAB

W.L. Gore Sustainable Design Project

Fall 2021

- Led a team of four to design a water saving toothbrush to address Gore sustainability goals
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Work Experience

Coconino Community College – Tutor of Science and Mathematics

March 2020 –Present

Flagstaff, AZ

- Provided tutoring support to students in all available Math, Physics and Engineering courses
- Facilitated new tutor training presentations

Arizona Daily Sun – Science Writing Intern (NAU/NASA Space Grant Program)

August 2021 - April 2022

Flagstaff, AZ

- Researched, wrote, and published articles about pertinent scientific developments in the community
- Conducted information gathering interviews with scientists, educators and community leaders

Professional Lampworker/Artist

May 2010- March 2020

Flagstaff, AZ

- Created sculptures and jewelry for sale at art galleries across the country
 - Maintained customer relations, marketing, and bookkeeping
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Relevant Skills

- **Software:** Microsoft Suite, MATLAB/Simulink, Solidworks, Multisim, Arduino, Cura, Dreamweaver
- **Manufacturing:** 3d Printing, Casting, CNC
- **Personal:** Strong written and verbal communication, team focused, detail oriented