

Aaron Walcott

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Experience

First Robotics, Flagstaff, Arizona

February 2022 - Present

Mentor - Team 498

- CNC machining
- Working closely with other engineers and mentors
- Helping lead students in the design process

Notable Projects and Experience

Microscale Soap Bubble Generator Senior Project

August 2022 - May 2023

- Working with a group of fellow students to build and design a nozzle to produce microscale bubbles as a tracer particle for flow analysis
- Taking on the leadership role for the capstone project.
- Use of 3D printing techniques to produce quality prototypes for initial testing
- Use of MATLAB coding for analysis of particles
- Working closely with a client to produce the product requested
- Writing technical reports

Northern Arizona University ESCAPE Project

September 2022 - December 2022

- Worked on developing mass property sheets for the device being made

SAE Aero Design Team

December 2021 - May 2022

- Worked with a group of fellow students to build and design an RC Plane for a competition as part of a capstone project.
- Took on the leadership role for different deliverables of the project.
- Use of MATLAB code to help with analysis
- Use of SOLIDWORKS

First Robotics Team 973, Atascadero, California

June 2015 - June 2019

Computer Numerical Control Machine Lead (2016-2019)

- Helped in leading a group of fellow students learn how to use CNC machines
- Taught students about the camming program MasterCam

Team Vice President (2018-2019)

- Helped lead the robotics team as well as assist the team president in their tasks.
- Helped make decisions that would impact the team.

Education

Northern Arizona University

May 2023

- B.S in Engineering, emphasis on Mechanical Engineering

Interests

Rocket Design, Plane Design, and CNC