

Griffin Brandt

Mechanical Engineering Student

Griffin Brandt

Scottsdale, AZ

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Objectives

- To obtain an internship in the fields of aerospace engineering, or fluid dynamics and heat transfer.

Education

Northern Arizona University / BS in Mechanical Engineering

August 2018 - Graduation May 2022, Flagstaff AZ

Cumulative GPA 3.47: Dean's List

- Areas of interest include engineering design fluid mechanics, heat transfer, aerodynamics, and energy.
- Acceptance into a Master of Science in Mechanical Engineering at Northern Arizona University; emphasis on fluid, thermal and energy studies with an expected graduation in May of 2023.
- Advanced coursework in computational fluid dynamics, heat transfer, finite element analysis and nonlinear systems.
- Current Capstone project involvement in umbilical retraction systems for rockets.
- Starting research in nanofluid suspension.

Paradise Valley High School

August 2014 - May 2018, Phoenix AZ

- Accepted into CREST Engineering specialty school and was introduced to Autodesk inventor, Microsoft Excel, and design processes.

Skills

- Autodesk Inventor Pro/ SolidWorks, leadership and teamworking, creative thinking, Python, Ansys, FeniCS, MATLAB, Excel and Problem Solving.

Experience

ACE Hardware / Floor Associate, Paint Specialist

November 2017 - January 2021, Scottsdale AZ

- Worked on the floor in all areas of the store including plumbing and electrical. Specialized in the paint department.

HomCo Lumber and Hardware / Floor Associate, Paint Specialist

August 2018 - April 2019, Flagstaff AZ

- Trained in multiple different departments, including STIHL tool, plumbing, electrical, and building materials. Became proficient as a paint specialist

Odyssey Aquarium Internship

June 2015 – August 2015

- Helped with construction of filter systems and water salinity

Awards

Boy Scouts of America

Awarded rank of Eagle Scout- February 2016

- Lead a group of around 30 people to help clear out snow fencing, barbed wire, and rebar along with other trash from a 100-yard area at a trailhead to improve the area for animal and plant life.

Order of the Arrow Brotherhood award

- Showed great leadership abilities along with a devotion to the Scouts.

National Youth Leadership Training

- Week-long course involving coursework to train to become a better leader
- Dean's list at NAU multiple years in a row

Swim Team

- Two-time varsity
- Co-Captain senior year of high school
- Paradise Valley High School

Scholarships

- Northern Arizona University Lumberjack scholarship from 2018 - 2022

References

John Artburn

- Owner of Pinnacle Peak Ace Hardware
- Contact information available upon request

Tom Acker

- Professor of Engineering at Northern Arizona University
- Contact information available upon request

Peter Vadasz

- Professor of Engineering at Northern Arizona University
- Advisor for master's Thesis
- Contact information available upon request

