

Tommy Schreiber

Albuquerque, New Mexico

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Objective

Seeking a challenging position in mechanical engineering to apply my experience and education to further my skills as an engineer. I believe I will have a positive impact in your organization and that my skills/work ethic will meet the needs of this role. I would enjoy the chance to be a part of your team for this exciting opportunity.

Education

Northern Arizona University, Flagstaff, AZ - Mechanical Engineering

GPA 3.45

- Expected graduation: May 2023
- NAU Gold Scholarship Recipient
- Coursework focus includes fluid dynamics, thermodynamics, and aerodynamics

Projects

Boeing Autonomous Drone Weight Reduction Project – College Capstone

- Design and manufacture prototype of a drone body to reduce weight and increase flight time for The Boeing Company
- Use software such as ANSYS to assist in structural and aero analysis
- Application of 3D adaptive manufacturing techniques
- Work with technical experts in vertical lift at Boeing

SAE Aero Design

- Research and design of a Remote-Controlled aircraft to carry cargo
- Apply concepts learned in coursework to optimize flight characteristics
- Analyze data to determine characteristics such as lift and drag to improve design

Wind Tunnel Project – High School Capstone

- Design and prototype a simple wind tunnel to visualize flow using smoke
- Demonstrate difference in laminar and turbulent flow using airfoils, cubes, and spheres

Skills

- Critical thinking, attention to detail, and problem solving
- Solidworks (Proficient)
- Autodesk Inventor, 3D CAD Modeling (Intermediate)
- Matlab
- ANSYS – Finite element analysis and simulation
- Microsoft Office (Proficient)
- Communication (verbal, written)
- Teaming skills
- Leadership
- Desire to learn and improve

Employment History

Dicks Sporting Goods, Team Sports Associate, Albuquerque, NM

- Assisted customers and athletes to identify and purchase equipment appropriate to their needs.

Activities and Interests

- Led groups of 2 – 6 students on 3-day camping trips to teach outdoor skills
- Sports – Soccer, Frisbee, lacrosse
- Aviation – Historical and modern configurations
- Computers – Building custom configurations

References

Helen Haskell	High school - Science	(505)710-0074	hhaskell@sandiaprep.org
Arren Buck	High school - Engineering	(505)507-6233	abuck@sandiaprep.org
Larry Hanley	High school - Camping	(505)250-4050	Larryhanley1952@gmail.com