

Tanner Peck

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EDUCATION:

Syracuse University, College of Engineering and Computer Science
Bachelor of Science in Mechanical Engineering

Aug 2021- May 2025

RELATED COURSEWORK:

Engineering Computational Tools
Senior Design Capstone

Thermodynamics
Fluid Mechanics

Manufacturing Processes
Engineering Data Analysis

SKILLS:

Solidworks, Autodesk Inventor, Onshape, MATLAB, RStudio, NI Multisim, Arduino, Microsoft (Word, Powerpoint, Excel),
3D Printing, Machine Lab Trained

WORK EXPERIENCE:

Ocean Rescue Lifeguard, *Carolina Beach*, North Carolina

May 2024 – Aug 2024

- Received high-intensity physical and medical training to maintain readiness for emergency response, CPR Certified
- Provided vigilant supervision and quick decision-making in aquatic and first aid incidents
- Operated and maintained ATVs for beach patrol, including routine performance checks and cleaning

Engineering Internship, *Lasko Products*, West Chester, PA

May 2023 – Aug 2023

- Sole Engineering Intern at Lasko headquarters
- Managed multiple projects in different divisions of engineering: Motor Failure Testing, CFM Test Chamber, Heat Rise Testing
- Hands-on experience with product assemblies and components: Product Breakdowns and Cost Analysis

ENGINEERING APPLICATIONS:

Design Capstone, *RedCat*, Syracuse, NY

Aug 2024 – May 2025

- Hands-on experience in a team of four, collaborating with a real-world company on an outsourced design project
- Successfully developed and executed a plan for a timeline and deliverables, including designs, prototypes, and presentation
- Supported in the development of a variety of accessories for the Teal GCS unit: Directional Antenna for Long-Range operations, Sunshade/Protective Cover, and Secondary Display Unit

Motor Failure Testing, *Lasko Products*, West Chester, PA

May 2023 – Aug 2023

- Performed tests on locked rotary motors to gather temperature/voltage data. Altered wiring to bypass the Thermal Cutoff (TCO)
- Ran locked motors at increasing voltages until internal failure or ignition of a surrounding cotton, simulating insulation
- Diagnosed multiple motor models to meet UL and ETL safety standards

CFM Test Chamber, *Lasko Products*, West Chester, PA

May 2023 – Aug 2023

- Operated a 2000 CFM Test Chamber developed by Airflow Measurement Systems
- Correlated results from the chamber with data received from outsourced testing to assess accuracy
- Wrote an operating procedure for testing Box Fan units for airflow

Wind Tunnel Dynamics, *Fluid Dynamics*, Downingtown West, PA

May 2019 – August 2020

- Used Autodesk Inventor to design and print an airfoil based on an existing aircraft of my choice.
- Tested in a wind tunnel and recorded lift and drag values based on the angle of the foil using Excel to graph
- Used data for a project analysis and design comparison of different airfoil design performance

EXTRACURRICULAR ACTIVITIES:

ASME, *American Society of Mechanical Engineers*, Syracuse, NY

Nov 2022 – Present

- Connecting Mechanical Engineers around Syracuse University to encourage learning in the field
- Collaborate with faculty to host guest lectures, technical presentations, and career development sessions

Vice President of Health and Safety, *Theta Chi Fraternity*, Syracuse, NY

Dec 2022 – Dec 2023

- Health and safety liaison for the fraternity chapter
- Coordinated with national headquarters and the local fire department to relay important information to members
- In charge of holding multiple seminars throughout the semester covering pressing health and safety issues