

Cameron Schepner

2742 Elba Lane, Allison Park, PA 15101
cameron.j.schepner@vanderbilt.edu ; 412-553-9433

EDUCATION

Vanderbilt University, Nashville, TN
Bachelor of Engineering, Mechanical Engineering
Minors: Chemistry and Piano Performance
Cumulative GPA: 3.87/4.00

May 2021

RELEVANT COURSEWORK

- Organic Chemistry I, II, Circuits I, Statics, Dynamics, Thermodynamics, System Dynamics, Fluid Mechanics
- Mechanics of Materials, MATLAB for engineers, Instrumentation Lab, Machine Analysis and Design

RELEVANT PROJECTS/EXTRACURRICULARS

Vanderbilt Aerospace Design Lab (VADL)

Fall 2019 – Spring 2021

- Member of Vanderbilt's "NASA Student Launch" team, which is in the process of designing and building a rocket that will carry a UAV with air-based sampling capabilities. Collaborate with a team of around 20 students.

Machine Analysis and Design Project (Grade: N/A)

Fall 2019

- Designed a small mass-producible boat with the purpose of autonomously collecting trash from the oceans. Modeled the boat in CAD (PTC Creo 4.0), performed failure calculations, and produced technical drawings. Collaborated with a partner.

Instrumentation Lab Final Project (Grade: 100%)

Spring 2019

- Attached an accelerometer to a scooter and measured, for varying lengths of the scooter's turning radius, at what velocity the scooter's wheels would slip and compared the measured values with theoretical calculations. Used a LabVIEW virtual instrument to collect and manipulate data from the accelerometer. Collaborated with a partner.

Intro to Mechanical Engineering Design Final Project (Grade: 93%)

Fall 2018

- Designed landing gear for a model airplane. Modeled the parts in CAD (PTC Creo 4.0), obtained technical drawings for all parts, and performed a kinematic analysis on the system. Collaborated with a partner.

WORK EXPERIENCE

Division 7 Inc.

May 2019 – August 2019

Production Employee

Pittsburgh, PA

- Manufactured sandwich panels and other architectural metal for commercial buildings. Learned about physical manufacturing restraints to consider during the engineering/design process.

Silver Shores Restaurant

June 2017 – August 2019

Server/Bartender

Conneaut Lake, PA

- Managed bar and waited tables during busy hours. Multi-tasked efficiently and often operated under pressure for extended periods of time. Served 200 patrons on average during a typical shift.

Hampton Soccer Club

April 2012 – May 2017

Soccer Referee and Referee-in-Training Mentor

Pittsburgh, PA

- Officiated soccer games fairly and objectively while maintaining good relations with players and coaches.
- Taught young soccer referees how to manage a game, delegated duties to them, and provided them a thorough understanding of a referee's required skill set.

SKILLS & INTERESTS

- *Honors*: Summa Cum Laude, National AP Scholar, National Merit Finalist, Dean's List,
- *Languages*: MATLAB, LabVIEW
- Proficient in Creo 4.0, Microsoft Office Products (Excel, PowerPoint, Word)
- *Interests*: NHL Hockey, Reading (recently Isaac Asimov), Music (Vulfpeck, Pink Floyd, Umphree's McGee)