

Ryan Burinescu

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EDUCATION

VANDERBILT UNIVERSITY

Bachelor's Degree in Mechanical Engineering

- Scientific Computing Minor/Materials Science Minor
- Dean's List

Nashville, Tennessee

May 2021

GPA: 3.66 (4.0 Scale)

PROFESSIONAL EXPERIENCE

VANDERBILT AEROSPACE DESIGN LABORATORY

- Participates annually in the NASA Student Launch Competition
- Contributing to the design and testing of a rocket-based UAV payload for autonomous, air-based sample collection missions

Nashville, Tennessee

October 2019 – Present

WERKCRUSH INC.

Research Engineer Intern

- Researched companies for a startup job-search website, authored company profiles for job posting purposes, and identified bugs within the website during its quality assurance phase
- Designed web scraping software using Python to extract job listing information into Microsoft Excel

New York, New York

June 2019 – August 2019

TICKET BROKERAGE

- Co-manage family-run season ticket resale business
- Use Microsoft Excel to keep track of gross sales of approximately \$100,000
- Analyze pricing, marketing, delivery, and record keeping

Rye, New York

2014 – Present

SHENOROCK SHORE CLUB

Lifeguard

- Certified lifeguard, trained in water rescue, CPR, and first aid techniques
- Maintained pool safety at a local summer camp

Rye, New York

July 2017 – August 2018

LEADERSHIP EXPERIENCE

PHI GAMMA DELTA INTERNATIONAL FRATERNITY

Chapter President

- Led weekly chapter meetings of approximately 60 members
- Collaborated with Vanderbilt's Interfraternity Council to plan campus initiatives
- Oversaw day-to-day operations of the fraternity and all chapter held events

Vanderbilt University

2018 – 2019

TECHNICAL SKILLS

- Procedural Programming - Python, Matlab, and Java
- Computer Aided Design – Creo Parametric, Autodesk Inventor
- LabVIEW - Graphical programming software
- LaTeX - Used to write research documents/lab reports

RELEVANT PROJECTS

- Designed a model of a water-based trash collection drone using Creo Parametric
- Designed a model of a mechanical chair to assist the elderly in standing up using Creo Parametric
- Researched the dangers of public electric scooters on wet surfaces using an accelerometer and LabVIEW software
- Built a custom shower chair and cooling vest with the Tikun Olam Makers to assist a child with a heart condition

AWARDS & HONORS

- Warren Barrett Memorial Engineering Scholarship
- Hobart and William Smith College Book Award (awarded to a globally focused leader of the 21st century)
- AP Scholar with Honor
- National Honor Society