

# ROBERT ROSE

(777) 222-0001

roserj@rose-hulman.edu

roserj.weebly.com

---

## OBJECTIVE

Pursuing a full time Mechanical Engineering position to contribute my skills toward solving problems and adding to an innovation driven environment

---

## EDUCATION

**Rose-Hulman Institute of Technology** - Terre Haute, IN

Bachelor of Science, Mechanical Engineering

Aerospace Concentration (Aerospace GPA: 3.16)

May 2019

GPA: 2.82

### Related Courses

Aircraft Design, Fluid Systems, Wind Tunnel Experimental Methods, Measurement Systems, Mechanical Systems, Thermodynamics, Control Systems, Introduction to Aerospace Engineering, Numerical Methods, Analysis and Design of Engineering Systems, Electrical Systems

---

## SKILLS

### Technical Office

SolidWorks, Creo Parametric, MATLAB, Wind Tunnel Operation, Basic Shop skills  
Excel, Word, PowerPoint

---

## EXPERIENCE

**USA Bobsled and Skeleton Team** – Lake Placid, NY

June 2018 – Present

*Mechanical Engineering Design Intern*

- Designed a new sled that allowed for much more adjustability to fit any of the athletes without compromising weight
- Utilized wind tunnels to determine the most efficient position of the athletes for minimal drag

**RBG Racing** – Clemmons, NC

June 2017 – Aug. 2017

*Mechanical Engineering Design Intern*

- Created and revised drawings for parts and assemblies used to enhance vehicle performance
- Attended wind tunnel testing to analyze the effects of new designs on the aerodynamics of the race car

**Independent Study**– Terre Haute, IN

Dec. 2017 – Mar. 2018

*Wind Tunnel Experimental Methods*

- Operated the wind tunnels on campus and created a calibration matrix for future reference
- Analyzed effects of stall on different wing shapes using calibration matrix
- Created a calibration matrix to be used by fluids classes in future labs

---

## ACTIVITIES

- Design Build Fly, *Senior Design Team*
- Rose-Hulman Residence Life, *Resident Assistant*
- Pi Kappa Alpha Fraternity, *General Member*