

# Bode Wildgrube

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<https://bwildgrube12.github.io/portfolio/>

## EDUCATION

### **TUFTS UNIVERSITY** | MEDFORD, MA | B.S. IN ENGINEERING

September 2021 – Present | School of Engineering, will major in Mechanical Engineering | Expected Graduation: 2025

### **COUNCIL ROCK HIGH SCHOOL NORTH** | NEWTOWN, PA | HIGH SCHOOL DIPLOMA

Sept 2016 – Jun 2021 | Weighted GPA: 4.52 | Class Rank: Top 2%/406

## PROJECTS

### **SCIENCE FAIR RESEARCH PROJECTS**

Course - Honors Research in STEM: Independent research project on creation of a low pressure atmosphere drone with 3d printed parts. Drafted journal paper and presented findings.

Club - Science Fair: Competed in yearly science research competitions from 2016-2020

**ROCKETRY** Designing and manufacturing a rocket using 3d printers and laser cutting for a L1 rocket certification. Plan to continue to higher powered rockets

## EXPERIENCE

### **RESEARCH ASSISTANT** | SHAFFER EVALUATION GROUP

October 2021-

Working as a assistant in a study on the effectiveness of a Scratch JR. block coding course for kids in kindergarten to 2nd grade.

### **COMMUNICATIONS OFFICER - SEDS** | TUFTS UNIVERSITY

September 2021-

Serving as the communications officer for the local SEDS chapter. In charge of inner communications, updating website, ect.

### **COOK** | BLUE CACTUS TACO SHOP, OCEAN CITY, NJ

Counselor at week-long children's science camp. Educated campers through various inventive activities and experiments. Virtual in 2020. May 2021 - August 2021

### **PRESIDENT OF SCIENCE NATIONAL HONORS SOCIETY** | COUNCIL ROCK HIGH SCHOOL NORTH , NEWTOWN, PA

November 2020 - May 2021

Elected and served as the president of my high school's SNHS. My duties and actions as president included:

- Created agendas and run each monthly meeting
- Created and delivered science experiments for "Workshop on Wheels," an elementary school community service program.
- Prepared and delivered 2 lectures on science topics to the society
- Designed and delivered careers-in-stem presentations for elementary school kids

## SKILLS

### **SOFTWARE SKILLS**

Blender • Onshape • Ultimaker Cura • Microsoft EXCEL/PPT/WORD Certified

## AWARDS

2021 | Distinguished Honor Roll (Top 2%), Council Rock North

2021 | Commended National Merit Scholar

2020, 2021 | AP Scholar

2018, 2019 | 1st place in Physics, Buck County Science Research Competition

## INTERESTS

Running • Surfing • Hiking • Plant Collecting • Figure Collecting