

# Brandon Oltarsh

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## **Education**

### **Purdue University, Fall 2024 – Spring 2028**

Major: Aerospace Engineering

GPA: N/A

### **American Heritage School – Spring 2024**

GPA: 5.5

## **Portfolio**

<https://brandonprog.github.io/brandonsportfolio/>

## **Experience**

### **FRC Robotics – (January 2022-April 2024)**

*Mechanical Director Team 2383*

- Leading workshops and design classes to teach underclassmen important concepts of mechanical design and controllability.
- Maintaining a large lab and machine shop hosting workdays of over 60 people.
- Designing and building large efficient robots for competition and outreach events in a team setting.
- Presenting in groups with peers for outreach awards.

### **Robotics Summer Camp-(2022-2024, 4 weeks in summer)**

*Design Teacher/Senior Counselor*

- Teaching children ages 10-14 basic design using Onshape with lectures, challenges, and group events.
- Facilitating pick up and drop off of hundreds of children every day from multiple summer camps.
- Designing games for children to play and robot bases for them to build upon.

### **Craigs Pantry-(August 2018-May 2024)**

*Volunteer (Every other Sunday)*

- Packaging and delivering food for food food-insecure population of Broward County.
- Facilitating large donations to the charity from the local community including hundreds of pounds of food and hundreds of articles of clothing.

## **Skills**

- 3D Modeling/CAM (Onshape, Autodesk Inventor)
- CNC Machining (100+ hours experience on a CAMaster Cobra)
- FDM 3D Printing (experience with many commercial slicers)
- Python, HTML, CSS
- Excel, Word, PowerPoint

## **Awards**

- Commended National Merit Scholar
- AP Scholar
- 2 Gold Presidential Service Awards
- Teacher nominated top entrepreneurship student