

## **Brandon Ridgway**

1506 Constantine St, Orlando, FL, 32825  
bridgway91@gmail.com  
404 431 3042

### **ABOUT ME**

- I am an ambitious and dedicated aerospace engineer with a strong attention to detail and a focus on the finer concepts of a task.
- Strengths include an intense interest in delving into the science underlying various concepts to gain a more complete understanding and better define tasks, their requirements and solutions, as well as the ability to relay this knowledge in a way that facilitates understanding.
- Have demonstrated an ability to implement structure and control in group settings, including outlining a workplan and assigning tasks. I am flexible and adaptable in regards to handling given assignments, being able to work in a variety of conditions or with set requirements.
- Am approachable, friendly, and confident, with exceptional communication skills and in possession of an intense drive to succeed.
- I have made active efforts in my time since graduation in teaching myself various skills that could prove useful in an engineering work environment, such as: programming (C++, Python, HTML, CSS, JS).

### **EDUCATION**

- Master of Science in Aerospace Engineering, Space Systems Design (University of Central Florida)
  - 3.54 GPA
- Systems Engineering Certificate (University of Central Florida)
- Bachelor of Science in Aerospace Engineering (University of Central Florida)

### **PROJECTS**

- Graduate Mock Proposal - Mock research proposal using a research suggestion inspired by existing research proposals. Involved a study of low aspect-ratio aircraft designs and design proposals, from general shape to added features, which could improve flight performance of existing designs.
- Mars Station Simulation - Simulated the sustainability of a fueling base on the surface of Mars. Model was taken from a previous project and upgraded to include harvesting of water in the soil, disposal of waste, charging of rover, etc. Required estimating various values that are currently unknown about the Martian surface.
- Senior Design Project - Ideated a UAV design which possessed a specific set of requirements in regards to size, weight, and carrying capacity, and necessitated a quick assembly time. Final design would end up being segmented along the length of the wing and utilized wooden dowels to hold the aircraft together. Design was then built, tested, and flown at a gathering of peers. Personal focus was on airfoil selection and CFD analysis.
- 3D Camera Model - Simple project done in SolidWorks for the purpose of demonstrating basic competency in the software. Said project involved reconstructing a commercial drone within SolidWorks, with a personal assignment of the rotating camera that is held underneath the drone.

## EMPLOYMENT

### **Boardwalk Bowl Entertainment Center**

**Nov 2021 – Present**

#### **Bowling Mechanic**

- Service and maintain the functionality of eighty bowling machines, routinely testing for problems and fixing issues as they arise. Ensure the cleanliness of the bowling machinery, as well as the lanes themselves. Oil and prepare bowling lanes in preparation for leagues and tournaments.

### **Boardwalk Bowl Entertainment Center**

**Aug 2019 – Nov 2021**

#### **Team Assistant**

- Monitor and deliver customer food and drink orders. Ensure the cleanliness of the building. Manage the repair, cleaning, and organization of an arcade, as well as service the redemption of prizes. Set up and organize rooms for special events.

### **Barnes & Noble College (UCF)**

**May 2018 – Feb 2019**

#### **Book Seller**

- Collect, organize, process, and package online orders of students. Handle the receiving and shipping of various textbook collections. Maintain the cleanliness of the store.

## INTERESTS & HOBBIES

Reading (fantasy, sci-fi, history) , Gaming , Music , Martial Arts , Old Classical Movies

## REFERENCES

References are available upon request