

# Reece Humphreys

Jupiter, FL

(305) 397-7469 | reecewh@icloud.com

[linkedin.com/in/reecehumphreys/](https://www.linkedin.com/in/reecehumphreys/)

## Education

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**Florida Atlantic University**, Harriet L. Wilkes Honors College

**GPA 3.94/4.0**

**B.S. MATHEMATICS AND PHYSICS | SUMMA CUM LAUDE**

**AUGUST 2017 - MAY 2021, Jupiter FL**

- Minor in Data Science
- Thesis: Orbital Debris Cloud Evolution: An Analysis of Fragmentation Events in Low Earth Orbit
- Thesis: Modeling Symmetries: An Analysis on the Interdisciplinary Application of Lie Groups

## Skills / Awards

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Programming: C++, C, Obj. C, Swift, JavaScript, Python, MATLAB

CAD Software: SolidWorks, OnShape

Leadership: Peer Mentor - Wilkes Honors College Peer Mentorship Program  
FAU Orientation and Welcome Leader  
FAU Admissions Ambassador  
Experiment/Testing Team Lead - FAU Aerospace Experimental Assoc.  
Team Leader - National Science Foundation Innovation Corps at FAU  
Senator & Vice President Pro Tempore - FAU Student Government  
Speaker of the House - FAU Jupiter Campus Student Government

Awards: FAU University Scholar (2021)  
Outstanding Thesis Award (2021)  
Outstanding Senior (2021)  
Honors College 20th Anniversary Benefactor Dinner Speaker (2020)  
OWL Leader Superlative in Problem Solving (2019)  
FAU Jupiter House of Representatives Excellence Award (2018)  
Kenan Social Engagement Scholar (2018)

## Work Experience

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### **APPIFIED LABS LTD. (2019 - PRESENT)**

#### **SOFTWARE DEVELOPER**

- Developed an auction platform for Number One Auctions
- Consulted for a video editing based Social Media iOS application being created for the film and TV Industry
- Developed a non profit based volunteer management and resource sharing platform

### **PHYSICS, MATHEMATICS, AND PROGRAMMING TUTOR (2018 - PRESENT)**

#### **FREELANCE TUTOR**

- Tutored middle school students through college students.
- Tutored subjects: Algebra 1, Calculus 1 and 2, Physics 1, and programming in Python.

### **EL SOL, JUPITER NEIGHBORHOOD RESOURCE CENTER (2020 - 2021)**

#### **INTERN**

- Performed backend processing of applications and played a key role in developing a refreshed online presence that will launch in the spring 2022.

### **ZEROC (2019)**

#### **INTERN / DEVELOPER**

- Focused on the development and testing of the new version of the ICE remote procedure call (RPC) framework. This included working on technical documentation, robust testing, and developing the core functionality for the Swift and C++ version of the framework.

## Extra Curricular

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**FAU AEROSPACE EXPERIMENTAL ASSOCIATION:** Team lead for the experiment and testing team on the AXA cube satellite project. Responsibilities included overseeing the onboard experiment and ensuring that the CubeSat would pass all necessary criteria for launch and operation in a space environment.

**FAU STUDENT GOVERNMENT:** Elected as the Jupiter campus Speaker of the House. Major initiatives included advocating for gender-neutral bathrooms, founding the Dining Hall Committee to promote additional options for students with dietary restrictions, aiding in planning and executing on-campus events, and reestablishing a program for providing safe, convenient, and efficient student transportation at night. Additional roles included serving as a member of the CBAC Budget Committee responsible for the campus budget.

**FAU TECH RUNWAY VENTURE CLASS 6:** Participant in the technology incubator program. This included working with local industry leaders and mentors to develop a robust business plan and develop strong presentation skills for pitches.

**FAU WAVE COMPETITION:** Acquired funding and participated in the wave competition for work accomplished on a social entrepreneurship-based technology platform. This later led to opportunities to work with local nonprofit organizations on implementing new web technologies to aid in logistics for community engagement projects.

**VOLUNTEER:** El Sol, Jupiter Neighborhood Resource Center  
Students Advocating Volunteer Involvement  
Easter Seals