

# Parker Brown

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## Summary

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College senior with a passion for aviation and broad experience in electrical engineering and competitive robotics. Interested in robotic control system design and analysis. Pursuing employment in the field of electrical engineering.

**Education** Embry-Riddle Aeronautical University (ERAU), Daytona Beach, FL

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**Pursuing Degrees:** Bachelor of Science in Electrical Engineering, Minor in Unmanned Aircraft Systems (UAS) Applications

**Unweighted GPA:** 3.48

**Graduation:** Fall 2023

**Internship** NASA Goddard Space Flight Center, Greenbelt, MD, Summer 2022

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ATA Aerospace contractor intern stationed at Goddard on a multi-disciplinary team to develop motor controllers, circuit design, PCB layout, and testing on prototype mechanisms for the Mars Sample Return Mission. Incorporated exteroceptive and proprioceptive sensors for stepper motor drive on a flex-cable life test unit. Delivered custom drive electronics and software interface with user's manual for a motorized testbed to West Virginia University.

## Skills & Experiences

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- Altium & EAGLE PCB design & layout
- LTspice circuit simulation
- Arduino Programming
- MATLAB
- C & Python Programming
- Oscilloscope & lab test equipment
- Soldering
- Microsoft Office
- Autodesk Inventor

## Activities & Achievements

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- [TurtleTech](#) Conservation Drone, Associate 2022-present
- Autonomous Maritime Robotics Association (AMRA), Electrical Department Head 2022-present
- [Team Unsinkable](#) Competitive Robotic Submarine, Electrical Lead 2021-present
- Achieved the rank of Eagle Scout September 2018

## References

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**Ryan Wallace** Associate Professor of Aeronautical Science, Embry-Riddle Aeronautical University, Daytona Beach, FL | (386) 323-5085 | [ryan.wallace@erau.edu](mailto:ryan.wallace@erau.edu)

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