

Ryan Warner

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, College of Engineering Bachelor of Science in Aerospace Engineering

Atlanta, Georgia

May 2024

GPA: 3.93

- Minor: Computer Science (Computing and Intelligence)
- Relevant Coursework: Aerodynamics, Thermodynamics and Fluids, Statics, Dynamics, Structural Analysis, Data Structures
- Faculty Honors – Spring 2021, Fall 2021, Spring 2022

EXPERIENCE

WESTROCK CO.

Atlanta, Georgia

Technology Intern / Tax Technology

May 2021 – May 2022

- Developed an internal task-management system directly responsible for savings upwards of \$250,000
- Created systems to process real-time performance data; used to inform executive-level decision-making
- Conducted long-term user experience testing with department leaders, creating a rapid feedback loop for product updates

URBAN KAI

Tampa, Florida

Retail Sales Manager

November 2020 – January 2021

- Developed a tool to centralize the inventory management process between two locations, decreasing process time by 80%
- Built procedures to validate the contents of the point-of-sale database, protecting against inventory and purchasing errors
- Created a novel rental onboarding process to minimize customer-employee contact, decreasing process time by 66%

THE PRACTICAL EDUCATOR

Tampa, Florida

Cad Consultant

January 2019 – March 2019

- Designed CAD models to be 3D printed and distributed at stem education events and conferences

LEADERSHIP

DESIGN BUILD FLY

Atlanta, Georgia

SAE Advanced Team Lead

August 2021 – Present

- Co-leading SAE Advanced Class team, training new members in construction and design principles
- Leading autonomous guidance, navigation, and control of a powered aircraft deployed mid-air from a larger aircraft
- Developing a data acquisition system to comply with new rules and improve reliability relative to previous system
- Developing a target acquisition system to extract GPS coordinates from live camera data delivered from an aerial vehicle
- Placed 2nd internationally at SAE Aero Design East in May 2022, assisted as the PADA pilot for the competition

Emerging Leaders

Atlanta, Georgia

Student Advisor

August 2020 – Present

- Co-leading an organization for first-year students promoting leadership development and a love of community service
- Oversaw the planning and execution of younger members' service projects throughout the Atlanta area

PROJECTS

PERSONAL

Blancey, France

Filmstrip

June 2022 – August 2022

- Created a platform to showcase film photos separate from typical social channels where digital photos dominate
- ReactJS frontend with a Flask/MySQL backend, building off understanding gained while working at WestRock
- Developed with minimal reliance on existing libraries, prioritizing deep understanding of system interactions and functions
- Built alongside smaller projects including a personal site and a simple recreation of the GitHub globe

SKILLS & INTERESTS

Programming: MATLAB, Python, Java, JavaScript, ReactJS, SQL, PowerFx, DAX

Software: SOLIDWORKS, Fusion360, Ardupilot, MAVLink, AVL, OpenVSP, PowerBI, Microsoft Office

Hardware: 3D printing, laser cutting, soldering, woodworking, Raspberry Pi

Certifications: Certified SolidWorks Associate (Dassault Systèmes), sUAS Safety (Unmanned Safety Institute)

Awards: Eagle Scout (Boy Scouts of America) – 2019

Interests: Distance running (Competed in the Atlanta Marathon in 2022), film photography, cycling

Affiliations: American Institute of Aeronautics and Astronautics (AIAA), Society of Automotive Engineers (SAE)