Ryan Warner

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, College of Engineering   **Atlanta, Georgia**
Bachelor of Science in Aerospace Engineering   *May 2024*
- Minor: Computer Science (Computing and Intelligence)   GPA: 3.95
- Relevant Coursework: Aerodynamics, Thermodynamics and Fluids, Statics, Dynamics, Structural Analysis, Data Structures
- Faculty Honors – Spring 2021, Fall 2021, Spring 2022, Fall 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)