

# John Waugh

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## EDUCATION

### Appalachian State University

Boone, NC

B.S. Computer Science | Minor in Sustainable Technology | GPA: 3.5/4.0

Aug. 2022 - Present

- **Relevant Coursework:** Software Engineering, Data Structures, Statistical Data Analysis
- **Awards/Honors:** Dean's List

## LEADERSHIP EXPERIENCE & ACTIVITIES

### Team Sunergy, [Appalachian State University Competitive Solar Vehicle Team](#)

Boone, NC

Embedded Systems Engineer

June 2023 - Present

- Debug and improve telemetry systems used in the car.
- Develop new systems to quantify data received from the car.
- Develop a digital dashboard which allows us to convert data into a human-readable format.

Race Operations Sub Lead

Jan. 2024 - Present

- Build corporate connections and relationships for the team.
- Brainstorm ideas for and plan new fundraising/sponsorships.
- Recruit new team members via social media and advertising campaigns.
- Help develop and organize schedule/agenda for weekly team meetings.

Composite Specialist

Apr. 2024 - Present

- Design and fabricate structurally strong and lightweight components made from composite materials (fiberglass, kevlar, flax, carbon fiber).
- Utilize techniques such as vacuum bagging, resin infusion, and wet layup molding/compression molding.

Race Score Calculator Web App

Dec. 2023 - Present

- Currently developing a web-based app which calculates the live score of a race team during a racing event such as the [Formula Sun Grand Prix](#) or [American Solar Challenge](#).
- Languages utilized include HTML5, CSS, and JS.

## WORK EXPERIENCE

### Play It Again Sports

Durham, NC

Sales Associate

Apr. 2021 - Sep. 2022

- Advertised and sold high-end fitness equipment in the Raleigh-Durham area.
- Built personal relationships with each customer, informing them about product attributes and reaching out to make sure their experience was more than satisfactory.
- Helped manage logistics of deliveries to and from the storefront, including connecting with customers to arrange time and date for delivery, physically delivering products, and receiving incoming shipments from our suppliers.

## SKILLS & INTERESTS

**Computer:** C, Python, Java, SQL, Front-End Web Development (including HTML5, CSS, JS), R.

**Languages:** English, Spanish (Basic/Conversational).

**Interests:** Software Engineering in Motorsport, Front-End Web Development, Embedded Systems/Telemetry Design, UI Engineering/Design, Cloud Computing.