

Carter Lator

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Objective

Seeking a summer internship to gain valuable hands-on experience within the STEM field.

Education

University of Wisconsin – Madison

Bachelor of Science, Computer Engineering and Computer Science | GPA: 3.76/4.0 | Exp. Grad. Date: May 2028

2024 Department of Electrical and Computer Engineering (ECE) Scholarship Recipient

Selected Coursework: Microprocessor Systems, Circuit Analysis, Signals, Information, and Computation

Cedarburg High School

Summa Cum Laude GPA: 4.292/4.0

High Honor Roll (2020-21, 2021-22, 2022-23, 2023-24) | AP Scholar Award (2023, 2024)

Engineering Experience

Rockwell Automation, Software Engineering Intern

Mequon, WI | June 2025 - Current

- Developed and tested a mobile application (C# .NET MAUI) to increase efficiency during emergencies
 - Implemented Near-Field Communication technology for quick and easy check-in
- Optimized automated testing for cross-platform use in Mobile Drive Control app development
- Improved local web application (HTML, CSS, TypeScript) used to track in-office drives and controllers
- Communicated with both local and international scrum teams

Missing Links Boat Project, High School Capstone Engineering Project

- Designed, developed, tested, and implemented a photo opportunity spot featured within a local mini golf course in collaboration with two peer engineering students.
- Programmed Raspberry Pi (Python) to control wind, music, and lights using integrated GPIO pins
- Prototyped components using Autodesk Fusion 360 3D-CAD software

Congressional App Challenge, Cedarburg High School Coding Club

- Won 2022 Congressional App Challenge for Wisconsin District 6
- Utilized HTML, CSS, and JavaScript to develop an app to help students master basic math concepts
- Awarded a Congressional Commendation from Congressmen Glenn Grothman

Cedarburg High School Chromebook Repairman, Volunteer

- Approx. 120 hours of Community Service
- Obtained hands-on experience diagnosing and repairing broken or malfunctioning hardware

Other Experience

Out & Out, Line Cook and Cashier

Cedarburg, WI | February 2023 – January 2025

- Developed valuable teamwork, collaboration, and customer service skills

Webster Middle School, Volunteer Summer School Program Teacher Assistant

- Approx. 30 hours of Community Service helping run an Introduction to Track & Field class

Activities

Wisconsin Racing, Formula SAE | Electrical Sub-team Member

Institute of Electrical and Electronics Engineers (IEEE), UW-Madison Chapter | Member

2024 CHS Baseball Team Captain | Two-year Varsity Letterman | 15+ hours/week