

MAXWELL STALSITZ

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EDUCATION

University of North Carolina Wilmington

Wilmington, NC

GPA: 3.98/4.0 (*Chancellor's List*)

Aug. 2024 - Present

- Associate's Degree & full course credits expected in 05/2026
- Relevant Coursework: Data Structures, Computer Organization, Discrete Math, Multivariate Calculus

Isaac Bear Early College High School

Wilmington, NC

GPA: 4.67/4.0

Aug. 2022 - Present

- High School Diploma expected in 05/2026
- Involvements: Computer Science (Embedded) Club, Science Olympiad, Science Bowl, NHS, Math Club
- Honors: 2x 1st Place Regional Science Fair (Technology) Winner, U.S. Army Technology and Engineering Award, 3rd Place State Science Fair Technology Award

WORK EXPERIENCE

New Potato Technologies (NPT)

Wilmington, NC

Part-Time Firmware Developer, Summer Intern

May 2025 - Present

- Worked on firmware design and on-site product development for several embedded applications.
- Developed low-level C code using Real Time Operating Systems (RTOS) and extensively debugged products with hardware tools.
- Collaborated with coworkers on software development and code review. Led firmware on internal project.

LEADERSHIP / EXTRACURRICULARS

President & Founder, Computer Science (Embedded) Club

Aug. 2023 - Present

Isaac Bear Early College

- Created and oversaw fellow students in the Computer Science (Embedded) club, organizing meetings and projects focused on robotics and computer science.
- Managed various projects, supporting hands-on learning experiences with electronics and hardware.

Vice President & Building Coordinator, Science Olympiad Team

Aug. 2024 - Present

Isaac Bear Early College

- Guided Science Olympiad in build-based events, organizing the material-gathering process. Facilitated tracking and management of build equipment, materials, and important components.
- Organized meetings and assisted in preparing students for regional/state competitions

PROJECTS

Automated Satellite Ground Station

July 2023 - Feb. 2024

- Utilized software-defined radio (RTL-SDR) and hardware to receive geostationary satellite signals
- Automated processes with Raspberry Pi integration and localized sensor interaction.
- Developed monitoring software using OpenGL and C++.

Autonomous & Remote-Controlled Robot Development

Jan. 2024 - March 2024

- Leveraged CAD software to design RC robot vehicle using 3D printed parts, electronics, and sensors.
- Applied Arduino framework for programming with remote and autonomous controls in C++.

VOLUNTEER/NON-PROFIT WORK

Head of Electronics Recycling

Aug. 2024 - Present

Rx Recycle & More

Wilmington, NC

- Worked with local small businesses to setup electronic recycling drop-off locations.
- Responsible for handling logistics and communications, working together with the UNCW Recycling Depot.

Math Teacher Assistant

Sep. 2022 - Mar. 2023

Cape Fear Center for Inquiry

Wilmington, NC

- Contributed towards the math tutoring service and provided general assistance at local charter school.
- Worked with many students, providing individual assistance and completing tasks such as grading work.