

Madeline M. Moyer

(location)
(phone number)
(email)

EDUCATION

University of Wisconsin-Eau Claire

Degree: Bachelor of Science

Majors: Applied Physics, Applied Mathematics and Statistics; Certificate: Computer Programmer

UWEC Honors Program

Expected Graduation: May 2026

GPA: 3.970/4.000

WORK EXPERIENCE

Physics Lab Setup

- Employers: Turner Howard / University of Wisconsin - Eau Claire, Eau Claire, WI
- Followed instructions and paid attention to detail while setting up lab equipment.

Sept. 2023 - present

Electronics Class Teaching Assistant

- Employers: Elizabeth Radue / University of Wisconsin – Eau Claire, Eau Claire, WI
- Utilized my knowledge of physics and electric/electronic circuits as I aided and answered questions from students during Electronics labs.

Jan. 2025 – May 2025

Design Engineer Intern

- Employers: Gamber-Johnson / Steve Williams, Stevens Point, WI
- Collaborated with engineers on **CAD** projects; problem-solved while designing, testing, and reworking prototypes; updated CAD files and company records.
- Applied and expanded my knowledge of SolidWorks and CAD by working on marketable design projects.

5/20/2024 – 8/9/2024

King Cone Ice Cream Server

- Employers: Judy and Maynard Klosinski, Plover, WI
- Assisted customers and handled cash and credit transactions; improved quick thinking and communication skills by fulfilling customer orders and working with associates.

Feb. 2020 – Aug. 2023

RESEARCH

Robotics Student Researcher

6/2/25 – 8/14/25

- Employers: Doug Dunham / University of Wisconsin – Eau Claire, Eau Claire, WI
- Assembled, tested, troubleshooted, and investigated the abilities and inner workings of 18 JetAuto Pro robots to be used in UWEC's new Assistive Systems and Robotics Engineering program.
- Supported UWEC faculty in designing ASRE intro courses through lab development, **Python**-based robot programming, and technical guidance on JetAuto Pro systems.

OLED Research

Sept. 2024 – May 2025

- Advisor/Employers: Elizabeth Radue / University of Wisconsin – Eau Claire, Eau Claire, WI
- Made use of my physics education by analyzing changes in magnetoresistance and IV curves of Organic LED devices before and after exposure to UV and x-ray sources.

Differential Equations Research

Sept. 2023 – May 2024

- Advisor/Employers: Chris Ahrendt / University of Wisconsin – Eau Claire, Eau Claire, WI
- Advanced my knowledge in the Lotka-Volterra systems of differential equations independently and collaborated with a group to discuss and condense results.
- Visualized data using Python plots.

SPECIAL SKILLS

- Programming ability in Python and Java
- Proficient in SolidWorks
- Experience using R, MATLAB, and Arduino
- Microsoft Office (Word, Excel, PowerPoint, etc.)