

Skills

Programming Languages: C++, Python, HTML/CSS, TypeScript, MATLAB

Tools: Visual Studio Code, Git/GitHub, SolidWorks, Raspberry Pi, ESP32/Arduino, GitHub Pages

Experience

Material Handler III, Pearson Dec 2025 – Present Marion, IA

- Organized inventory and maintained accurate counts across warehouse locations.
- Palletized boxes efficiently for shipment preparation and warehouse organization.
- Operated an electric forklift safely to transport materials throughout the facility.
- Ensured workplace safety compliance and maintained a clean, organized warehouse environment.

Coach, Bowman Woods Racquet Center Jun 2024 – Aug 2024 Marion, IA

- Helped coach tennis to players ages 10–18, developing their skills through structured practice sessions.
- Coached multiple sessions daily and assisted with training drills to improve technique and performance.
- Collaborated with the head coach to develop progressive training programs for student athletes.
- Fostered a positive learning environment that encouraged athletic growth and teamwork.

Sales Associate, Dollar Tree Jun 2022 – Jul 2023 Marion, IA

- Assisted customers with product selection and provided excellent customer service.
- Managed cash register operations and maintained accurate transaction records.
- Restocked shelves and organized store displays to ensure a clean, accessible shopping environment.

Projects

ASME IAM3D Mars Rover (R.O.V.E.R.) – Team Lead & Software/Electrical Aug 2025 – Present

- Lead 10-member engineering team through complete design, development, and testing of autonomous Mars rover for ASME IAM3D national competition.
- Own all software and embedded systems development including autonomous navigation, robotic arm control, and telemetry systems using Python, C++, and TypeScript.
- Ensure safety compliance, coordinate cross-functional collaboration between mechanical and electrical subsystems, and manage project timeline and deliverables.

Personal Portfolio Website [GitHub](#)

- Designed and developed a responsive portfolio website using HTML, CSS, and JavaScript.
- Deployed using GitHub Pages to showcase projects and technical skills to potential employers.

Python Projects

- Built various Python scripts including calculators, file organizers, and data analysis tools.
- Practiced core programming concepts including loops, functions, conditionals, and file I/O.

Education

University of Iowa – BSE Computer Science & Engineering / GPA: 3.5 Expected May 2029

- Relevant Coursework: Intro To Engineering Computing, Intro To Engineering Problem Solving, Computer Science 1, Matrix Algebra, Discrete Structures, Physics, Chemistry