

Devin Reichenbach

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WORK EXPERIENCE

Manufacturing Engineering Intern

January 2025 - Present

Volvo Construction Equipment, Shippensburg PA

- Assist in developing an AMR to automate material transport in manufacturing
- Design and optimize layouts in AutoCAD for efficient workflow
- Create VBA macros in Excel to automate tasks and improve project tracking.
- Learn and apply MIG, Stick, and TIG welding techniques
- Reverse-engineered structures into 3D models using Creo Parametric

Shift Manager

January 2023 – January 2025

Karns, New Bloomfield PA

- Managed teams of 5+ employees, ensuring proper store operations and consistent service across the facilities.
- Trained 10+ employees of proper store operations

Stock Associate

February 2022 - January 2023

Karns, New Bloomfield PA

- Managed inventory accuracy and assisted customers in locating products.

RELEVANT PROJECTS:

ESP-32 Smart Christmas Lights

November 2024 - December 2024

- Set up a web server with ESP-32 for communication between user devices and WS2812 LEDs.
- Developed interactive webpage for custom color set selection by user
- Transferred data using HTTP requests to control LED colors

UNIX Shell Implementation

February 2024 - April 2024

- Implemented a command-line interpreter in C based on the "Ostep Three Easy Pieces" textbook, utilizing process forking, parallel command execution, and output redirection.
- Developed functionality to manage and maintain the working directory, ensuring smooth navigation within the shell environment.

User Traffic Analysis Web Application – WebFX

January 2024 – May 2024

- Co-developed a web app to track and sort user paths, building interactive features with PUG
- Integrated client-server-database communication using Node.js, TypeScript, and MySQL
- Applied Agile methodology for biweekly WebFx updates

Automatic Video Facial Blurring Software (Python)

January 2024 – May 2024

- Developed a facial recognition algorithm to blur selected regions in video frames.
- Developed a user interface for ease of use and quality presentation of the application

COMPUTER SKILLS

Programming Languages:

• C: ★★★★★ • Python: ★★★★★ • HTML/CSS: ★★★★★ • Java: ★★★★★ • Typescript: ★★★★★

Applications:

• Fusion 360 ★★★★★ • Creo Parametric ★★★★★ • AutoCad ★★★★★ • Docker ★★★★★
• OrCAD PSPICE ★★★★★ • Git ★★★★★ • Microsoft Suite ★★★★★

Hardware & IT:

• Microcontrollers ★★★★★ • FPGAs ★★★★★ • Linux ★★★★★
• CompTIA IT Fundamentals (ITF+) Certificate

April 2020

EDUCATION

Bachelor of Science in Computer Engineering,

Anticipated Graduation: May 2025

Minor: Mathematics

Shippensburg University of Pennsylvania

Accredited by ABET, Inc. (Accreditation Board for Engineering and Technology)

GPA: 3.930

Dean's List: 2021-2024