

Calixt Charlebois

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SUMMARY

Senior B.S. Software Engineering Student at Milwaukee School of Engineering with Internship and team-based project experience. Member of MSOE club soccer, XSA, and MSOE Esports.

EDUCATION

A.S Applied Science | Bay College | May 2021

B.S. Software Engineering | Milwaukee School of Engineering | May 2024

INTERNSHIP EXPERIENCE

Software Engineer Intern | Miller Electric Mfg. | Appleton, Wisconsin | June – August 2023

Project Objective: Research and create a software library that will be used to test embedded products via a hardware in the loop method.

- Conducted extensive research to identify effective methods and strategies for developing the library.
- Developed a Python library that establishes communication with an embedded target and utilizes various communication peripherals to send and receive commands.

Software Engineer Intern | Miller Electric Mfg. | Appleton, Wisconsin | May – September 2022

Project Objective: Implement data acquisition features to an existing embedded product for service engineers to give remote assistance to customers.

- Implemented a real-time method acquisition method to record weld data within the existing embedded product and store it onto an SD card.
- Implemented a seamless USB transfer mechanism to retrieve the recorded data from the SD card.
- Developed a dedicated website to host and display the cloud-stored data transmitted from the embedded device, facilitating remote access for service engineers to provide customer assistance.

PROJECT EXPERIENCE

Project Objective (Team of 4): Built a web-based application in JavaScript, HTML, CSS that replicates the gameplay of Wordle.

Project Objective (Team of 5): Designed and developed a console-based RPG game using the C++ programming language.

Project Objective (Personal): Developed a comprehensive python script library for automating gameplay in the popular MMORPG, Runescape.

TECHNICAL SKILLS

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|-------------------------------|--------------------------|----------|-------------------------|
| ▪ Object Oriented Programming | ▪ Linux, Mac OS, Windows | ▪ C,C++ | ▪ DevOps,CI |
| ▪ Version Control (Git) | ▪ SQL, MongoDB | ▪ Python | ▪ Scrum, Agile |
| ▪ Design Patterns | ▪ JavaScript | ▪ Java | ▪ Software Verification |

LEADERSHIP | CO-CURRICULAR INVOLVEMENT |

Member | MSOE Club Soccer | August 2021 - Present

Member | XSA | August 2023 - Present

Member | MSOE Esports | September 2023 - Present

Mentor | Gladstone Robotics Team | January 2020 - Present

WORK HISTORY

Software Engineering Intern | Miller Electric Mfg. | May 2022 – Present

Bagger/Stocker | Elmer's County Market | May 2018 – August 2021

INTERESTS | HOBBIES

FPV Drones | Robotics | Soccer | Road Cycling | Running | Reading | Video Games | Esports