

Austin Weber

EXPERIENCE

Student Building Manager

Memorial Student Center

Lead Building Manager

Jan. 2023 - Ongoing

Building Manager

Sept. 2021 - Jan. 2023

- Taking initiative in maintaining order, security, and safety by managing building operations.
- Provides valuable customer service to students, staff, and guests with a positive, professional attitude.
- Trains, schedules, and manages student building managers, while proactively assisting other operational staff.

Automation Engineering Internship

EVCO

June 2023 - August 2023

- Worked with industry professionals to develop, test, and implement solutions using programmable microcontrollers.
- Disassembled mechanical components to transport them for salvage and archival purposes.
- Collaborated and worked with other interns from various schools while working hands-on and learning alongside industry professionals.

Technology Intern

Sun Prairie Area School District

May - August 2018, 2021, 2022

- Managed, collected, repaired school-issued technology devices.
- Identified physical and digital problems with devices, and repaired issues through individual and team efforts.
- Managed student device returns while assisting customers.

PROJECTS

Legacy Software Development with Arbitrary Code Execution

March 2023 - Ongoing

- Designed and developed a program for the ARM7TDMI microprocessor that allows it to communicate with a separate SM83 CPU, interpret data, and inject it into a pre-existing SRAM format.
- Researched and tested assembly code within a pre-existing engine through unintended methods.

NFC Antenna and PCB Design

Sept. 2023 - Ongoing

- Researched, designed, and fabricated a near field communication antenna on a custom designed PCB.
- Interpreted pre-existing data through research and reverse engineering to communicate with an existing product in a safe and reliable manner.

EDUCATION

University of Wisconsin-Stout

Sept. 2020 - May 2024

Bachelor of Science: Computer and Electrical Engineering

Minors: Computer Science and Mathematics

Current GPA: 3.4

Honors College

CONTACT

 AustinThomasWeber@gmail.com

 austinthomasweber.com

 austin-thomas-weber

 GearsProgress

SOFTWARE SKILLS

Eclipse

Visual Studio/Visual Studio Code

STM Cube IDE

Google Firebase

MATLAB and Simulink

PSPICE

Altrium Designer

Github

Arduino IDE

Windows / iOS/ Linux OS

Microsoft Office Suite

Google Workspace Suite

DEVELOPMENT SKILLS

Assembly

C/C++

Java

JavaScript

Python

Q-Learning

Digital System Design

Embedded System Development

Microcontroller Development

Signal Processing

Multithreaded Programming

THEATRE SKILLS

Sound Engineering

Assistant Stage Management

Vocal Direction

SOFT SKILLS

Problem Solving

Researching

Collaboration

Detail Oriented

Self-Motivated

Eager to Help