

Emily Telgenhoff

3712 Chippewassee Trail | Midland, MI 48640

telgen12@msu.edu | (989) 948-6035

[LinkedIn](#) | [My Coding Projects \(emtelgen.github.io\)](https://emtelgen.github.io)

Education

Michigan State University, College of Engineering

Computer Science

East Lansing, MI

Jul 2023 – May 2025

West Point, Department of Electrical Engineering and Computer Science

Computer Science

West Point, NY

Jun 2021 – Jun 2023

- Course Highlights: Cyber Foundations, Data Structures, Digital Logic with Embedded Systems
- Awards/Honors: Dean's List Fall 2021, Fall 2022, Spring 2023

Work Experience

MSU Institute for Cyber Enabled Research

ICER Intern

East Lansing, MI

Sep 2023 - Present

- Collaborating with a professor to develop course instruction and assignments for a graduate-level course on Cloud Computing using Microsoft Azure
- Leveraging MkDocs site technology and GIT version control to develop and maintain course website content

United States Army

Team Leader

West Point, NY

Jun 2021 – Jun 2023

- Responsible for the successes and failures of the freshman cadets, acted as their first line with any issues or needs
- Communicated with leadership to understand and disperse information to my peers and my mentees
- Performed military duties and taskings as they were assigned and ensured the carrying out of duties from subordinates

Michigan State University

Software Development Intern

Midland, MI

Jun 2020 – Aug 2020

- Developed Flask application to store and track information of temperature sensors around the Michigan State University Campus
- Communicated with supervisors and team members on features to add in development
- Created a database using SQL to store the user and admin data for the website

Leadership Experience

Cadet Strings Club

Concertmaster

West Point, NY

Aug 2021 – May 2023

- Responsible for cueing the orchestra in between breaks and ensuring the orchestra remains cohesive while playing
- Performed for various functions including leadership seminars, conference dinners, and fundraisers

Personal Project Highlight

Web Scraping Tool

- Developed a user report validation tool for a gaming system
- Employed Python Selenium to extract HTML data from the report website and integrate it into the framework
- Utilized personal algorithms to assess the accuracy of user reports and export that back into the judgement system

Skills

- Languages/Technologies: Python, Java, Scala, Linux, Git, Flask, HTML/CSS, SQL, Excel, DaVinci Resolve, Database Design, Microsoft Azure

