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Andrew Koman
Software Engineering Student

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Summary

Fourth-year Software Engineering student with previous experience in Java, Python, C, and TCL. Participated in FIRST Robotics and National Honors Society in High School. Currently a member of the HIDE Enterprise at Michigan Tech, and co-team-lead of the CS Schedule team.

Education

Michigan Technological University - BS Software Engineering   **Houghton, MI**
GPA: 3.76   Minor - Mathematical Sciences   **Expected Graduation: Fall 2024**
Muskegon Community College - Associate in Science and Arts   **Muskegon, MI**
GPA: 3.833   **Graduated: Spring 2021**

Professional Experience

<u>Western Digital</u> – Niagara Development Team (Co-op)   **January 2023 – August 2023**

- Worked through the backlog for a specific tool within the Niagara program using TCL, Python, and C.

- Became the owner of a specific firmware tool to maintain the tool, respond to bug reports and feature requests, and make other necessary improvements to the code base.

- Updated and maintained the remote desktop systems designated for my team.

<u>Howmet Aerospace</u> **-** Controls Systems Engineering (Intern)   **June 2021 – December 2022**

- Member of a small team maintaining, updating, and upgrading HMI computers running Wonderware

- Learned from coworkers and quickly worked with little supervision.

<u>Creations By Brian</u> – Painting Assistant   **March 2021 – June 2021**

- Member of a 10-person team painting home and business interiors and exteriors.

- Preformed painting prep, drywall repair, hole patching, and painting.

Academic Experience

<u>Humane Interface Design Enterprise</u>   **January 2022 - Present**

- GDLS Team – Worked to build tools in Python for Web Scraping, primarily images and video, and Image Recognition using a Neural Network. This data is to create an image data set for the company to use.

- CSSA Team – Worked to create a new and improved scheduling application for the CS department and MTU using React, cPanel, MySQL, and Django. Will move to co-team-lead this semester

<u>Independent Study Projects</u>

- Created a PDF combiner in Python using PySimpleGUI and PyPDF2 which interlaces two PDF files from a scanner that only does a one-sided scan. It takes 2 one-sided scans and combines them into one PDF file.   **December 2021**

- Worked with GitHub Pages to build a personal website to host my resume and links to various projects (Currently a Work in Progress).   **September 2022**

All details up to date as of 12/20/2023