

Houghton, MI

# Andrew Koman

Software Engineering Student

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<https://andrew-koman.github.io>

## Summary

Fourth-year Software Engineering student with experience in Java, Python, C, C++, and TCL/Tk in Windows and Debian Linux environments looking for a full time development position. Currently a member of the HIDE Enterprise at Michigan Tech as co-team-lead of the CS Schedule team and participated in FIRST Robotics in High School.

## Education

<b>Michigan Technological University</b>	BS Software Engineering	Expected December 2024
GPA: 3.89	Minor – Mathematical Sciences	Houghton, MI
<b>Muskegon Community College</b>	Associate in Science and Arts	May 2021
GPA: 3.83		Muskegon, MI

## Professional Experience

<b>Western Digital – Niagara Development Team (Co-op and Intern)</b>	January 2023 – Present
<ul style="list-style-type: none"><li>Owned and managed a sub-tool of an internal company program written in TCL, Python, and C++.</li><li>Responded to bug reports and feature requests, and make other necessary improvements application.</li><li>Created a new offline licensing system to allow the program to be used outside the corporate network.</li><li>Updated and maintained the remote testing systems designated for my team.</li></ul>	
<b>Howmet Aerospace – Controls Systems Engineering (Intern)</b>	June 2021 – December 2022
<ul style="list-style-type: none"><li>Maintained Humane Machine Interface computers running Wonderware on Windows.</li><li>Updated HMI computers from Windows 7 to Windows 10 for security and IT compliance.</li></ul>	

## Academic Experience

<b>Humane Interface Design Enterprise</b>	January 2022 – Present
<ul style="list-style-type: none"><li>GDLS Team – Built 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.</li><li>CSSA Team – Created a new and improved scheduling application for the CS department and MTU using React, cPanel, MySQL, and Django. Have been a co-team-lead since Spring 2024</li></ul>	

## Independent Projects

<ul style="list-style-type: none"><li>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.</li></ul>	December 2021
<ul style="list-style-type: none"><li>Worked with GitHub Pages to build a personal website to host my resume and links to various projects (Currently a Work in Progress).</li></ul>	September 2022