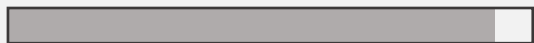


Skills

Linux / Unix



Tensorflow & Keras



Git



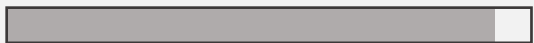
Web Development (HTML, CSS, JS, WASM)



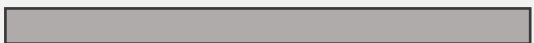
Video Editing



Image Editing



Digital Music Production



Programming Languages

- Proficient
 - C
 - C++
 - Java
 - JavaScript
 - CSS
 - Python
 - Ruby
 - GML
 - Bash / Shell scripting
 - Lua
- Familiar
 - Go
 - Haskell
 - Common Lisp
 - x86_64 Assembly

Experience

Data Scholar

Direct Supply | Jul 2022 – present

- Tasked with creating a reverse-image-search project for Direct Supply products.
- Exploring and adapting various AI technologies to pursue the task.
- Implemented an autoencoder for Direct Supply product images. This project was an integral part of the reverse-image-search model.
- Applied NLP models to Direct Supply product descriptions. This allows us to include text in the product search.

Education Coordinator

MSOE AI Club | Feb 2022 – present

- Includes managing the activities and plans of the club.
- Help manage and add to the club's website: msoe-maic.com
- As "Education Coordinator," my specific task is to plan and create interactive "workshops" for some weekly club meetings. "Workshops" are interactive programming projects that teach an AI topic.

Education

Milwaukee School of Engineering

Computer Science | 2021 – 2025 (planned)
GPA 3.87

Projects

AI Music Generation Research

Oct 2021 – present

- Being done via a Research-Team in the MSOE AI Club.
- Explore and implement AI models to generate new music from existing songs.
- Working with MIDI data.
- Published a MICS paper: arxiv.org/abs/2203.12105