

Rowan Torbitzky-Lane

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Education

Missouri University of Science and Technology
B.S. Computer Science, with a Minor in Mathematics
Summa Cum Laude

Rolla, MO
December 2024
GPA: 3.80

Experience

NSF REU Program

Missouri University of Science and Technology

May 2024 - October 2024
Rolla, MO

- Utilize Bi-Directional LLMs to Correct Errors in Genome Reads
- Use HuggingFace library to interact with Models
- Interact with Campus HPC and CUDA for Training
 - Utilized Slurm on said HPC
- Clean text data with Scikit-learn and Scikit-bio

Undergraduate Research Assistant

Center for Intelligent Infrastructure

May 2023 - October 2023
Rolla, MO

- Perform Annotations for Image Segmentation Convolutional Neural Networks
- Calculate Optical Flow with MATLAB and C++

Data Science Co-Op

Hunter Engineering Company

January 2022 - August 2022
Bridgeton, MO

- Train Convolutional Neural Networks with YOLO and PyTorch
 - Train a Classification Model to detect if a car is too close to cameras and remove from training data
 - * Resulted in an increase of annotation efficiency
 - Train a Segmentation Model to detect if a license plate was from NA or Europe
- Used Python in internal tooling to manage Data
- Containerized Models with Docker

Personal Projects

Self-Hosted Linux Server

January 2023 - Present

- Installed CUDA for Training Purposes
- Trained a pet bird object detection model with YOLOv6
- Host Label Studio Server for image annotation
- Ran local LLMs via ollama to see how they function

Rust Evolutionary Computing Framework

March 2025 - Present

- A PushGP implementation from scratch
- Trained on financial data for next day prediction

Invited Talks

Genetic Programming in Python @ PySTL https://www.youtube.com/watch?v=ZzYi_j2IYuY

September 18th, 2025