Rowan Torbitzky-Lane

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Summary

To work at Garmin as a Data Engineer 2. I have experience handling SQL databasese in professional and classroom environments. At Hunter Engineering, we used Microsoft SQL to store car data. In my senior capstone class, my team used PostgreSQL (hosted on my personal server) and MongoDB to store user data.

Education

Missouri University of Science and Technology — Rolla, MO
B.S. Computer Science, with a Minor in Mathematics. — December 2024
Summa Cum Laude — GPA: 3.80/4.00

Experience

NSF REU Program — May 2024 - October 2024
Missouri University of Science and Technology — Rolla, MO

- Present Research Findings Weekly at Meetings
- Experiment with LLMs and Next-Token Prediction on Genome Sequences
- Clean data with Scikit-learn and Scikit-bio

Undergraduate Research Assistant — May 2023 - October 2023
Center for Intelligent Infrastructure — Rolla, MO

- Calculate Optical Flow with MATLAB and C++ utilizing Slurm
- Use Django to manage Web Requests
- Program User Interfaces with TypeScript
- Manipulate videos using OpenCV
- Perform Annotations for Image Segmentation Neural Networks
- Participated in Weekly Meetings discussing State of Project

Data Science Co-Op — January 2022 - August 2022
Hunter Engineering Company — Bridgeton, MO

- Utilize Microsoft Excel for Data Annotation
- Train Convolutional Neural Networks with YOLO and PyTorch
- Design and write APIs with FastAPI and Flask
- Containerize said APIs with Docker
- Program internal tooling with Pandas and Microsoft SQL
- Implement workflows into internal Azure DevOps Git repository
- Attend Bi-Weekly Lunch and Learns covering Full-Time Employee Responsibility

Personal Projects

Self-Hosted Linux Server — January 2023 - Present

- Interact with Router Firewall
- Host Wireguard Virtual Private Network
- Manage Reverse Proxy connections with Nginx
- Point Domain Names via A Records
- Built from Components Ordered Online
- Self Host a Git Server