Rowan Torbitzky-Lane

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Summary

To work at Patriot Machine Inc as a Network Engineer. Logically-driven Computer Scientist with a bachelor's degree and 1+ year(s) of personal networking and professional programming experience. Dedicated to thoroughly reasoning through a problem and maintaining a friendly relationship with those I assist.

Education

Missouri University of Science and Technology   Rolla, MO
B.S. Computer Science, with a Minor in Mathematics.   December 2024
Summa Cum Laude

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 text 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 leveraging 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