

Rowan Torbitzky-Lane

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Summary

Highly motivated Software Engineer with a B.S. in Computer Science and a Minor in Mathematics, seeking to develop moderately complex software and design new functionalities for Garmin Marine devices, map production, and cartography tools. Possesses proficiency in C++ and a strong understanding of software engineering tools and processes, eager to contribute to an international team.

Education

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

Rolla, MO
December 2024
GPA: 3.80/4.00

Experience

NSF REU Program

Missouri University of Science and Technology

May 2024 - October 2024
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

Center for Intelligent Infrastructure

May 2023 - October 2023
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

Hunter Engineering Company

January 2022 - August 2022
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