Rowan Torbitzky-Lane

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Summary

To work at Xcellent Technology Solutions as an Application Developer - REMOTE. Computer Scientist with 1+ years of Django, PostgreSQL, and Python experience. Takes joy in learning and using complex systems.

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

- Utilize PostgreSQL for Infrastructure Data Storage
- 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
- Utilize AWS S3 for Image Storage

Personal Projects

Self-Hosted Linux Server January 2023 - Present

- Host PostgreSQL Servers for University Projects
- Interact with Router Firewall
- Host Wireguard Virtual Private Network
- Manage Reverse Proxy connections with Nginx
- Point Domain Names via A Records
- Self Host a Git Server
- Train Bird Object Detection Model