**ADAM NEBER**

New York, NY | adam.j.neber@gmail.com | [LinkedIn](http://www.linkedin.com/in/adam-neber) | [GitHub](https://github.com/aneber20) | [Personal Site](https://aneber20.github.io/)

SKILLS

Languages: Python (5 years), SQL (5 years), R (4 years), MATLAB (2 years), Rust (1 year)

Technologies: Git (5 years), GIS (5 years), Anacondas (5 years), Docker (4 years), Azure (4 years), AWS (2 years)

Data Libraries: Pandas (5 years), NumPy (5 years), SciKitLearn, (5 years), PyTorch (3 years), NLTK (2 years), Polars (1 year)

EXPERIENCE

Associate Data Scientist July 2024 - Present

Clever Devices Woodbury, NY

* Led development of an AI model to optimize bus disruption management operations, reducing dispatcher workload
* Taking ownership of said project from conception to deployment, ensuring the model's effectiveness and integration
* Built service period optimization algorithm that enables transit agencies to make effective schedule changes at scale
* Reported on sources and solutions for poor bus performance, enabling agencies to reduce late stops by 30% on routes
* Spearheaded AI integration in products by investigating use cases, reading research papers, and studying client activity

Data Science Intern June 2022 - June 2023

Clever Devices Woodbury, NY

* Created a revenue-generating service reporting on transit accessibility in low-income neighborhoods using census data
* Developed a Teams chatbot to convert natural language to SQL code, execute queries, and return data snapshots
* Performed data health analyses on client databases, analyzing missing data, ease of access, and reliable historical checks
* Trained and tested deep learning image processing models using PyTorch to detect safety features at bus stops
* Led intern cohort project on improving operational efficiencies using AI

PROJECTS

Portfolio Optimizer | Personal Finance Webapp Summer 2024 – Present

* Designing a tool where users can input their stock portfolio and see insights like volatility, momentum, and return
* Created a backend REST API with Rust and the Actix framework for retrieving and processing financial data
* Developed algorithms to compute metrics and provide recommendations on improving them

FeastFinder | Senior Capstone Spring 2024

* Developed a web app that allows CWRU students to see dining hall menus and leave reviews
* Extracted and displayed keywords from reviews using natural language processing techniques
* Provided recommendations based on user review trends
* Hosted analytics services using AWS EC2 and Docker containers

Cleveland Sidewalk Walkability Survey | GIS Project Fall 2023

* Assessed the accessibility of 300 intersections in the Cleveland area using Pytorch and ArcGIS
* Detected damage to sidewalk access points using object detection models
* Generated dataset of intersection locations using ArcGIS and pulled panoramas from the Google Streetview API

EDUCATION

**Case Western Reserve University** August 2020 - May 2024

Bachelor of Science in Data Science and Analytics, Minor in Statistics Cleveland, OH

LEADERSHIP

President, Treasurer 2021-2024

The Board Meeting Cleveland, OH

* Led student organization focused on board sports, including skateboarding, snowboarding, etc.
* Directed executive board in event planning, outreach, fundraising, and budgeting