

# Aidan Domondon

Boston, MA | (718) 762-6358 | [aidandomondon@gmail.com](mailto:aidandomondon@gmail.com)  
[github.com/aidandomondon](https://github.com/aidandomondon) | [linkedin.com/in/aidan-domondon](https://linkedin.com/in/aidan-domondon)

---

## PROJECT EXPERIENCE

### **Social Media Platform (currently live)**

Summer 2025

- Full-stack social media app supporting user authentication, follow requests, and realtime posting + viewing
- Backend stores and serves user data with MySQL database and Python Django REST API, hosted on AWS
- Frontend user interface (UI) implemented in TypeScript with React (Next.js / NextJS) and CSS

### **Global Check-in Dashboard**

Spring 2025

- Interactive data visualization app, written in Python with Streamlit, deployed on an AWS EC2 instance
- Processed GIS data via ETL pipeline implemented with Python, MySQL, and AWS EC2, RDS, S3, Lambdas

### **Neural Network Pruning**

Winter 2023

- Trained neural network to perform image classification + pruned while keeping 72% test acc. with PyTorch
- 

## WORK EXPERIENCE

### **Research Assistant**

Jan 2025 - Present

*Northeastern University | Boston, MA*

- Designed experimental software that generates JavaScript and TypeScript tests with LLMs (e.g. GPT)
- Created TypeScript services for AI agents to programmatically create and manage local git repositories

### **Data Science Co-op**

Jan 2024 - Dec 2024

*Northeastern University | Boston, MA*

- Generated 20+ figures for research reports by writing Python programs to query and visualize data w/ Pandas
- Created 1 million+ row datasets for researchers by aggregating data from diverse sources with Python
- Increased interpretability of black-box ML models (e.g. K-means) by training decision trees on their outputs

### **Software Engineer**

Jan 2023 - May 2023

*New Age Micro, LLC | Mansfield, MA*

- Automated 15% of e2e tests for client website by designing web-crawling scripts in JavaScript with Puppeteer
  - Created bash scripts to automate OpenSSL operations performed during e2e tests
- 

## EDUCATION

### **Northeastern University**

*Master of Science (M.S.) in Computer Science*

*Present*

*Bachelor of Science (B.S.) in Computer Science and Mathematics*

*Sep 2021 - May 2025*

3.8/4.0 GPA · Magna Cum Laude · Honors Program

CS Courses: Database Design, Data Engineering, SWE, AI, Machine Learning, Object-Oriented Programming

Math Courses: Linear Algebra, Statistics, Abstract Algebra, Real Analysis, Ordinary/Partial Differential Eqs.

---

## TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, Java, MySQL, SQLite, HTML, CSS, LaTeX

Libraries & Pandas, React, Matplotlib, Jest, Puppeteer, NumPy, SciKit-Learn, PyTorch, Django (DRF),

Tools: AWS, Jupyter, GitHub, Docker, Redis, MongoDB, Neo4j, Firebase, Excel