

Ethan Saddler

610-283-4841 | ethansaddlerm@gmail.com | [LinkedIn](#) | saddler.dev

EDUCATION

Georgia Institute of Technology

B.S. in Computer Science – Major GPA: 4.0 / Overall GPA: 3.94

08/2022 – 05/2026

Atlanta, GA

EXPERIENCE

Meta

05/2025 - 08/2025

Software Engineer Intern

Bellevue, WA

- Built an AI agent that cut anomaly detection from ~100 days to same day by aggregating and processing 1.2B+ daily datapoints then identifying abnormalities using recursive LLM-powered analysis.
- Developed a large-scale validation framework processing trillions of rows daily with sub-hour latency, enabling customizable metric configs and validating 350+ business critical metrics per day.
- Collaborated with Instagram data engineers to integrate advanced anomaly detection across ~30 data sources, identifying 20+ critical issues and 7 potential SEVs within 3 weeks.
- Launched an updated internal metric health dashboard with 90% faster data retrieval and <2s load times, increasing daily usage by over 300% for key users.
- Automated metric onboarding for the agent and dashboard to enable auto monitoring for 5,000+ new daily validations, expanding coverage without added engineering overhead or manual configuration effort.

AstraZeneca

05/2024 - 08/2024

Software Engineer Intern

Wilmington, DE

- Refactored 3 EDI data transformation pipelines in Python and Java, eliminating false validations of incomplete documents and enhancing document transformation throughput by 70%.
- Collaborated with teams at SnapLogic to create new web-based modules for developers to handle financial document parsing, reducing development time by 90%.
- Enhanced recipient acknowledgements for contractor transactions in Python, with a focus on sophisticated error handling and improved data logging accuracy.

PROJECTS

Sentiment Analysis Trading Bot | Python

05/2024 - 06/2024

- Developed a real-time data feed system that extracts and processes financial news articles and social media posts to gauge market sentiment.
- Utilized Natural Language Toolkit to integrate advanced natural language processing techniques to translate qualitative data into quantitative scores that trigger trades.
- Leveraged machine learning to create a sentiment analysis algorithm to automate trading decisions, executing trades via the Alpaca API based on dynamic stock sentiment scores.

Tetris AI | Javascript, HTML5, CSS

05/2023 - 08/2023

- Developed an AI, as well as a corresponding web app, that is able to endlessly clear lines in Tetris.
- Trained using a genetic algorithm written in JavaScript, optimizing 4 parameters describing game state.

SKILLS

Languages: Python, Java, JavaScript, PHP, SQL, C, C++, HTML5, CSS, MATLAB

Libraries/Frameworks: React, NodeJS, GraphQL, Electron, Selenium, Bootstrap, Tailwind, jQuery, NumPy, Gradio, ChromaDB, OAuth, LangChain.

Technologies: AWS, GIT/GitHub, VS Code, WordPress, LATEX, CAD, Excel, Linux (Ubuntu and Mint), Docker, Google Cloud, Firebase, FTP, OpenAI, SnapLogic