

EVAN MCCORMICK

Clinton, New York, United States | 315 381 5247 | www.evmojo.dev

PROFESSIONAL SUMMARY

Data Scientist and software engineer with 3 years of experience developing full-stack solutions in an enterprise setting. Completed a Master's in Data Science, improving technical skill in data processing and analytics. Master's curriculum focused on building and testing predictive models ranging from simple GLMs to various ML models, with an emphasis on text mining, NLP, LLMs, and RL.

EDUCATION

Master of Science, Data Science | *University of Colorado, Boulder* | Sep 2022 - May 2025

- **Coursework:** Statistics and Data Analysis, Data Visualization, Data Mining and Text Mining, Machine Learning and Neural Networks, Natural Language Processing (NLP), Reinforcement Learning, Big Data Architecture

PROFESSIONAL EXPERIENCE

Software Engineer I | *BAE Systems, Inc.* | Jul 2021 - Mar 2024

- Developed and maintained a full-stack GIS application with React front-end and Java+Python back-end/API, demonstrating system engineering skills applicable to scalable model deployment.
- Designed intuitive, responsive UI components for clean data visualization and interactive analytics.
- Engineered comprehensive unit and integration tests to validate system reliability and performance.
- Implemented new data models/schemas and integrated them seamlessly into existing architectures, emphasizing collaboration and alignment with cross-functional teams.
- Collaborated with cross-functional teams using the Agile framework, supporting continuous software delivery for evolving project requirements.

SKILLS

- **Programming Languages:** Python, JavaScript (React), Java, Kotlin, JavaScript, R, SQL
- **Frameworks & Libraries:** React, TensorFlow, Gymnasium, GCP, Terraform, Firebase
- **AI & Machine Learning:** Supervised Learning, Reinforcement Learning, Neural Networks, Sequential NN, CNN, NLP, RAG Architectures, Classical ML(NB, Random Forest, Gradient Boosting, GLM, SVM)
- **Data Science:** Statistics, Web Scraping, Text Mining, Data Visualization, Regression
- **Software Development:** Full-Stack Development, Enterprise GIS, Git, Scrum/Agile, DevOps, GitHub Repositories

PROJECTS

Distracted LLM | *A Full-Stack RAG Application*

Aug 2024 - Dec 2024

- Designed and implemented a full-stack RAG application for document-answering. Front-end *React(Vite)*, Back-end *Python*, persistent document storage *ChromaDB+SQLite*, REST API *Axios*====>*FastAPI*, answering LLM *google.generativeai*.
- Handled back-end containerization in *Docker* and cloud hosting via *GCP micro-VM*. Front-end deployed and hosted in *Vercel*.
- Implemented simple security protocols: single-key HTTP authorization, session-based authentication for document deletion.

Research Pod | *A Full-Stack RAG TTS Generator*

Feb 2025 - Apr 2025

- Worked with a team of other developers to create a full-stack web application leveraging a comprehensive Web Scraping====>RAG====>TTS workflow for podcast generation.
- Built a functional UI with React, TailwindCSS, and TanStack Router for navigating the application, generating podcasts, searching/browsing existing podcasts, and listening to podcasts.
- Organized project with team via Trello, Slack, and GitHub, from inception to presentation to the public