

# EVAN MCCORMICK

Boulder, Colorado, United States | 315 381 5247

## PROFESSIONAL SUMMARY

Data Scientist and Software Developer with 2.5 years of experience developing machine learning models and integrating AI solutions. Skilled in Python with proven expertise in reinforcement learning, NLP, and advanced algorithm implementation for big data applications. Demonstrated ability to innovate analytical solutions through agile full-stack development and efficient data processing. Recently acquired a Master's in Data Science to further enhance technical and strategic proficiency.

## EDUCATION

### UNIVERSITY OF COLORADO BOULDER

*Master's degree, Data Science*

**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

### HOFSTRA UNIVERSITY

*Bachelor's degree, Psychology, Neuroscience*

**2017 - 2021**

## PROFESSIONAL EXPERIENCE

### BAE Systems, Inc.

*SOFTWARE ENGINEER I*

**Jul 2021 - Mar 2024**

*Remote*

- Developed and maintained a full-stack GIS application using JavaScript (React) for the front-end and Java for the back-end/API
- Enhanced user experiences by designing intuitive, responsive UI
- Engineered comprehensive unit and integration tests to validate system reliability and performance
- Implemented new systems and successfully integrated them into existing architectures
- Collaborating with cross-functional teams using the Agile framework

## PROJECTS

### Research Pod | A Full-Stack RAG Text-To-Speech Generator

**Feb 2025 - Apr 2025**

*Boulder, CO*

**University of Colorado, Boulder**

- Worked with a team of other programmers to create a real-world application leveraging the utility of LLMs
- Built out a UI with TanStack React, and a simple API connecting to back-end architecture
- Organized project with team through Trello, Slack, and GitHub, from inception to presentation to the public

### Distracted LLM | A Full-stack RAG Model | <https://full-stack-rag-neon.vercel.app/>

**Oct 2025 - Present**

- Created a full-stack RAG model, including front-end, back-end, API, containerization and hosting
- Utilized frameworks including React, Python, FastAPI, Axios, ChromaDB, SQLite, Docker, Vercel, GCP VMs
- Maintained and documented code with GitHub

## SKILLS

- **Languages:** Python, JavaScript, Java, R, Kotlin, SQL
- **AI & Machine Learning:** Classical Machine Learning, Data Processing, Reinforcement Learning, Vector Databases, RAG Models, LLM APIs
- **Data Science:** Data Mining, Text Mining, Data Visualization, Data Communication, Predictive Modeling
- **Software Development:** Full-Stack, DevOps, GitHub, REST, Containerization, Cloud Computing
- **Frameworks, Tools & Libraries:** React, GitHub, Bash, Jupyter, GCP, Dockerhub, Firebase, Vercel, TensorFlow, Gymnasium, ChromaDB