

# EVAN MCCORMICK

Boulder, Colorado, United States | 315 381 5247

## 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 models.

## 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.

**Jul 2021 - Mar 2024**

*Remote*

#### SOFTWARE ENGINEER I

- Developed and maintained a full-stack GIS application using JavaScript (React) for the front-end and Java for the back-end/API, demonstrating strong problem-solving and system integration skills applicable to scalable model deployment.
- Enhanced user experience by designing intuitive, responsive UI components that support data visualization and interactive analytics.
- Engineered comprehensive unit and integration tests to validate system reliability and performance, ensuring robust software pipelines similar to production ML model monitoring practices.
- Implemented new systems and integrated them seamlessly into existing architectures, emphasizing collaboration and alignment with cross-functional teams.
- Collaborated with cross-functional teams using the Agile framework, leveraging iterative methodologies to optimize software delivery and support evolving project requirements.

## PROJECTS

### The Embodied Communication Game | A Task for Machine Learning Agents

**Aug 2024 - Dec 2024**

*Boulder, CO*

*University of Colorado Boulder*

- Implemented and evaluated SOTA RL models (DQN, PPO, A2C, LSTM) in an environment requiring emergent strategies
- Designed custom RL environment and metrics for evaluating model performance (Tensorflow, Keras, Gymnasium)

### 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

## SKILLS

- **Programming Languages:** Python, R, Java, JavaScript, Kotlin, SQL
- **Frameworks & Libraries:** React.js, TensorFlow, Gymnasium, GCP, Terraform, Firebase, Cloud Environments
- **AI & Machine Learning:** Reinforcement Learning, Neural Networks, NLP, Supervised Learning, Data Processing Frameworks, SVM, GLM, Random Forest, LSTM, RNN, CNN, AI
- **Data Science:** Statistical Data Analysis, Data Mining, Text Mining, Data Visualization, Predictive Modeling
- **Software Development:** Full-Stack Development, Enterprise GIS, Git, Scrum/Agile, DevOps, GitHub Repositories