

PATRICK BROWN

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EDUCATION

The University of Texas at Austin

Master of Science in Artificial Intelligence, *GPA: 3.84*

Fall 2025

Bachelor of Electrical and Computer Engineering, *GPA: 3.87*

May 2023

EXPERIENCE

H-E-B – Data Engineer II; Austin, TX

April 2025 – Present

- Built full ETL pipelines using Kafka, Spark, and Databricks with Argo Workflows on Kubernetes.
- Enabled business analysts to self-serve BigQuery insights by building a GenAI dashboard builder that generated SQL and Streamlit dashboards from selected datasets and tables.
- Architected scalable data solutions processing millions of records daily across distributed systems.
- Mentored junior engineers on best practices for cloud-native data engineering and DevOps workflows.

H-E-B – Data Engineer I; Austin, TX

June 2023 – April 2025

- Developed full-stack Data Engineering Dashboard with React, FastAPI, Python, Docker, and PostgreSQL; hosted on AWS EKS.
- Onboarded 10+ teams and 100+ employee stakeholders to track ETL metadata across Databricks, Argo, and Informatica.
- Built Confluence-integrated LLM with RAG for documentation queries and autonomous re-embedding.
- Mentored interns on data engineering projects and best practices.

MASTER'S IN AI

UT Austin MSAI Program

August 2024 – December 2025

- Learned full training loop from data curation to model training to evaluation and deployment.
- Implemented core architectures from scratch including transformers, U-Nets, and compression techniques.
- Studied mathematical foundations of machine learning, optimization, and reinforcement learning.

EXTRACURRICULARS

Self Taught Golfer – +1 Handicap

Fall 2019 – Present

- Picked up club for first time in 2019.
- Self taught watching YouTube videos.
- Competed and won club championship at Hancock golf course in 2025.

HONORS

Boy Scouts of America – Eagle Scout Award

Fall 2018

- Demonstrated leadership skills through planning and executing community service projects.
- Built character through participation in outdoor activities and challenges.

ACT – 36

Fall 2017

- Perfect score on the ACT.

ADDITIONAL INFORMATION

GitHub: github.com/bicrick

Personal Website: bicrick.com