

PATRICK BROWN

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EDUCATION

The University of Texas at Austin	Master of Science in Artificial Intelligence Bachelor of Electrical and Computer Engineering	Fall 2025 May 2023
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EXPERIENCE

H-E-B – Data Engineer II ; Austin, TX	April 2025 – Present
<ul style="list-style-type: none">Built full ETL pipelines using Kafka, Spark, and Databricks with Argo Workflows on Kubernetes.Proficient on both GCP and AWS cloud platforms, managing multi-cloud data infrastructure.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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">Demonstrated leadership skills through planning and executing community service projects.Built character through participation in outdoor activities and challenges.	

ACT – 36	Fall 2017
<ul style="list-style-type: none">Perfect score on the ACT.	

ADDITIONAL INFORMATION

GitHub: github.com/bicrick
Personal Website: bicrick.com