

# Alexis Manyrath

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## EDUCATION

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### The University of Texas at Austin

*Master of Science in Data Science*

- Coursework in Regression, Causal Inference, Machine Learning Theory, Data Structures & Algorithms, Natural Language Processing, Deep Learning, Reinforcement Learning (OpenAI Gym, Hugging Face)

### The University of Texas at Dallas

*Bachelor of Science in Economics (Minor in Physics)*

- National Merit Scholar, Major Honors, Model United Nations, Climbing Club officer
- Graduate Coursework in Applied Econometrics, Macroeconomics, Microeconomics

## WORK EXPERIENCE

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### Gauntlet AI

*AI Engineering Fellow*

Sept 2025 - Dec 2025

- One of 150/8897 applicants selected as a "Challenger" for Gauntlet Cohort 3
- Uses AI-first development to build web, mobile, desktop applications in green & brownfield projects.
- Develops solutions using agents, RAG, deploying in AWS, Vercel, GCP, Firebase
- Builds custom AI solutions for hiring partners, honing product sense, communication and delivery
- Implements safe AI solutions including locked-down financial applications, HIPAA-compliant industries at speed and scale

### Scale AI

*Team Lead - Coding Experts (Technical Program Manager)*

Jan 2024 - Aug 2024

- Managed contributor communities in computer science, data science, and programming domains
- Created SQL + Looker Dashboards to give managers insight into their squad performance
- Conducted training on prompt engineering leading to increases in quality and engagement
- Designed tasks to generate eval set, co-authored whitepaper for the first ever LLM leaderboard

*AI Trainer - Data Science Expert*

May 2023 - Jan 2024

- Engineered data science prompts for training LLMs, assessed and rewrote responses (including R and Python code) as needed to improve model training

### International Business Machines (IBM)

*Graduate Data Science Intern - Extreme Blue*

May 2022 - Aug 2022

- Led technical development and cross-functional problem-solving for a product proof of concept
- Presented results and business value to over 50 executive stakeholders
- Collaborated with internal security teams to provide additional context to investigations
- Implemented model preventing intellectual property theft, estimated savings of \$6.6M per incident

### Federal National Mortgage Association (Fannie Mae)

*Data Scientist - Single Family Analytics*

June 2019 - Jan 2022

- Implemented an XGBoost-based ensemble model to predict hazard insurance claims
- Worked to resolve a potential \$22M process gap, created Tableau reporting, data pipeline
- Developed and taught Python curriculum for 28 new associates & interns
- Modernized legacy MI Factor SAS process to Python, with end to end validation, testing, and delivery, automating insurance premium calculations for \$166M of loans annually

## SKILLS

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<i>Professional</i>	Consultative problem solving, accountability, customer focus, design thinking, adaptability
<i>Data Science</i>	Causal inference, econometrics, data visualization, hypothesis testing, experiment design
<i>Client-Facing</i>	Technical demos, stakeholder engagement, cross-functional collaboration, solution storytelling
<i>Tools</i>	Git, Python, R, Typescript, SQL, PowerBI, Tableau, Looker, Atlassian suite, Langchain, Linear
<i>Deployment</i>	AWS, Firebase, Vercel, Azure, Railway, FastAPI, Docker