

# Hiram Dominguez

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## Education

University of North Texas (UNT)

Bachelor of Science in Computer Science, Graduated May 2025

## Professional Experience

Sales Associate, Home Depot | The Colony, TX | Jan 2025

- Secured a 5% increase in overall gardening sales with forecasted profits of \$110,000 to \$120,000 every week based on company floor meetings since February.
- Customer Satisfaction Score increased by 5% based on the company's survey in a span of three months for my department

Artificial Intelligence Quality Analysis, Outlier.ai | Remote | Nov 2024 – March 2025

- Outlier.ai is a startup specializing in LLM fine-tuning delivering domain-specific language models for enterprise clients focused on AI reliability.
- Analyzed JSON files generated by Outlier's LLM models increasing customer output satisfaction by 3-5%.

Visa Specialist, Scheels | The Colony, TX | June 2022 – June 2024

- Secured 900 – 1200 new Scheels Visa Credit Card customers per month with the company's net promotor score increasing from 11% to 20% in a span of 6 months.

Machine Learning Research Intern, Google-CAHSI | Denton, TX | Jun 2023 – Jun 2024

- Contributed to team-based evaluation and implementation of academic AI papers, regularly presenting findings and collaborating with peers on deployment strategies
- Practiced iterative testing methods including unit and functional testing during model evaluation cycles to ensure accuracy and stability in experimental pipelines.

## Technical Skills

Programming Languages: Python, JavaScript, Java, HTML/CSS, SQL

Libraries and Frameworks: Numpy, Pandas, Spring

Machine Learning: BERT, NLP, LLMs, Collaborative Filtering

Systems: REST APIs, Web Scraping, Data Pipelines, CRM Dashboards, Linux-Based Systems, AWS, Git

## Projects

Ghost Job Detector (Python, BeautifulSoup, yFinance, PyTorch)



01/2025 – 05/2025

- Built a machine learning framework implementing web scrapers utilizing stock price shifts, layoff reports, and repost frequency classifying ghost job postings.
- Achieved 77% accuracy and an F1 score of 61% using a BERT model prioritizing precision.
- Practiced agile development alongside supervisor using unit and functional validation ensuring model accuracy and reliability.

Ecommerce Item Recommender 

04/2025 – 06/2025

- Designed and built SageShop, an AI-powered e-commerce platform prototype featuring product recommendation, customer insight generation, and scalable ML API integration.
- Increased simulated CTR by 12–15% using item-based product similarity modeling and behavioral data.