**Amy Mendiola**

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**EDUCATION**

**Bachelor of Science in Computer Science,** *Magna Cum Laude* (GPA: 3.92)  **May 2024**

**Master of Science in Computer Science May 2025**

University of Texas at Dallas

**Honors:**

*Dean’s List Recipien*t - F21, S22, F22, S23

**RELEVANT COURSEWORK**

Natural Language Processing Operating Systems Concepts

Human Computer Interaction Design and Analysis of Computer Algorithms

Machine Learning Database Design

**SKILLS SUMMARY**

**Programming Languages:** Python, Java, Angular, C++, CSS, HTML, Assembly Language (MIPS), Linux, and Scheme

**Software Tools:** Visual Studio Code, IntelliJ, GitHub, Jupyter, Virtual Box, MARS, MobaXterm, and DrRacket

**PERSONAL PROJECTS**

**Espresso Chatbot** | NLP Project Mar 2024 – May 2024

Language and Tools Utilized: Python, Visual Studio Code

* Created a Chatbot to answer user questions about espresso
* Trained a Keras Sequential neural network model to map user questions to an accurate response

**Housing Dataset Machine Learning Models** | Course Project Sept 2023 – Dec 2023

Language and Tools Utilized: Python, Jupyter Notebook, Visual Studio Code, Kaggle

* Accurately curated multiple machine learning models to predict the housing sales prices of the selected dataset
* Evaluation of results and understanding of reasonings of model performance

**Portfolio Website** | Personal Project May 2022 – Aug 2024

Language and Tools Utilized: Angular, TypeScript, CSS, HTML, Visual Studio Code

* Created a personal website that displays information about resume, about page, projects and contact information
* Utilizes Angular material components and contains page jumps

**Scratch Machine Learning Models** | Course Assignments Aug 2023 – Dec 2023

Language and Tools Utilized: Python, Jupyter Notebook, Visual Studio Code

* Created multiple machine learning projects from scratch
* Models include: Decision Trees, K-Means, K-Medoids, K Nearest Neighbors, Linear Regression, Perceptron, SVM

**WORK EXPERIENCE**

**PBWMT Summer Analyst, Software Developer,** Citi Group Jun 2024 – Aug 2024

Skills: Spring Boot, Angular, TypeScript, Oracle

* Created and designed a full-stack project including a front-end Angular UI database portal and back-end Spring microservice to update an Oracle DB

**PBWMT Summer Analyst, Software Developer,** Citi Group Jun 2023 – Aug 2023

Skills: Angular, Data Analysis, TypeScript

* Created and designed front-end UI for a development tool (APIs, multi-form submittal, data display, and nav bar)
* Further developed team communication and presentation skills

**Comet Cab Team Lead**, University of Texas at Dallas Aug 2022 – Present

* Demonstrates effective communication skills, time management, and teamwork
* Shuttles students, faculty and staff around UTD campus