ANTHONY DOAN

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EDUCATION

University of Houston   **May 2024**
Bachelor of Science in Computer Science, Minor in Mathematics   *Houston, Texas*

- **Relevant Coursework**: Data Science I, Introduction to Data Science and Statistics, Algorithms and Data Structures, Database Systems

EXPERIENCE

Freelance Software Developer   **June 2024 – Present**
DataAnnotation   *Remote*

- Refined **AI/LLM** models and trained them on diverse prompts, significantly boosting chatbot performance, while employing data analysis techniques to evaluate model outcomes.
- Evaluated and optimized code across multiple languages (Python, JavaScript, C++, HTML, SQL) for correctness, functionality, and performance, leveraging **SQL** and **Python** for data analysis tasks.

Daikin Comfort   **June 2022 – September 2022**
Information Technology Intern   *Waller, Texas*

- Contributed to a rebate processing automation system using **IBM AS400**, **JavaScript**, and **SQL**, saving significant manual processing hours through advanced **data analysis**.
- Developed complex **SQL** stored procedures and optimized database schemas for efficient **data retrieval**, enhancing data modeling capabilities with **relational database** software.

PROJECTS

Heart Disease Prediction   **Python | Pandas | Scikit-learn**

- ∗ Built a **machine learning** model using real-world data from the UCI Heart Disease Dataset to predict heart disease.
- ∗ Preprocessed data by handling missing values and normalizing features, then trained **Logistic Regression** and **Random Forest** models.
- ∗ Evaluated model performance with metrics like accuracy and confusion matrices, and visualized results using **Matplotlib**.

Fuel Prediction Application   **JavaScript | NodeJS | MySQL**

- ∗ Programmed a comprehensive full-stack web application for predicting fuel prices.
- ∗ Utilized a **MySQL** database to store user and fuel pricing data, a **NodeJS/ExpressJS** backend to create a RESTful API, and a **ReactJS** frontend for responsive user interaction and price calculation display.

Dealer Growth Project   **SQL | Excel | JavaScript**

- ∗ Contributed in the development of a rebate processing automation system integrating **IBM AS400** and **JavaScript**, designing optimized database schema and complex **SQL** procedures that reduced manual processes.

SKILLS

Languages: Python, C++, HTML, CSS, JavaScript, SQL, R

Frameworks: React.js, Node.js, .NET Framework, .NET Core, Unix, Linux

Developer Tools: MySQL, Jupyter Notebook/Lab, Github, Git, Visual Studio Code, PyCharm

Libraries: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn

Applications: Power BI, Tableau, Excel, RStudio

LEADERSHIP

Vice-President Internal & Secretary   **August 2022 – May 2024**
Omega Phi Gamma

Assistant Scoutmaster   **August 2019 – Present**
Boy Scouts of America