Trevor Xander

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Creative and people-oriented computer scientist proficient in a variety of technologies ready to tackle new and exciting challenges with an inquisitive mind.

Leadership Experience

Search Engine: Led a small team tasked to create a search engine. Was responsible for delegating work, designing UI/UX, designing a back-end database and implementing scraper to index websites.

Star-Schema Database: Leader of a team responsible for designing and implementing a star-schema database for a data warehouse.

Technologies

Languages: C++, C#, Python, Java, Javascript, SQL
Markup: HTML, XML, LaTeX (basic)
Libraries: Pandas, Numpy, SciKit-Learn, Pytorch
Frameworks: Qt, PyQt, Bootstrap
Software: Git, Tableau, Microsoft SSMS, Qt Creator

Skills

Design: Database, ML Models, NLP Models, UI & UX
Data Analytics: Regression, Classification, Clustering, Dimensionality Reduction
Paradigms: Object Oriented, Concurrent, Parallel, Event Driven, Functional

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Projects

2048 Game: A clone of the popular puzzle game 2048 with extra features such as multiplayer, a VS. AI mode and options to adjust the grid size.

App Classifier: Multinomial Naive Bayes model implemented from scratch that is able to accurately predict and classify an app based on its description.

iMaintenance: Software project designed to automate recording, storing and manipulating maintenance logs on a Windows file server. Features include a multi-user login system and administrative capabilities.

Movie Review Classifier: Machine learning model that is capable of classifying the dominant sentiment of a movie review with 86% accuracy.

Quantum Spin Magnetization: A program that uses heuristics and Metropolis-Hastings algorithm to quickly estimate the average magnetization and pair correlation of a quantum spin configuration.

Multithread Scraper: A selenium based web scraper made to index websites and their meta-data for search engines.

Education

Bachelors of Science in Computer Science Queens College, Flushing, NY, May 2019
Coursework: Natural Language Processing, Data Analytics, Data Mining, Data Warehousing, Linear Programming, Game Theory, Distributed Systems, Computer Graphics, and Internet Technologies.
Major GPA: 3.39