

# 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.

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## 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.

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## 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.

**Quantum Spin Magnetization:** Using heuristics and Metropolis-Hastings algorithm to quickly estimate average magnetization and pair correlation values of a quantum spin configuration for a specific temperature.

**K-means Clustering:** Program that is able to group any given set points into well-formed clusters.

**Multithread Scraper:** Efficient web scraper made in Python with selenium.

**MTA-Turnstile:** Simple Python program to plot the MTA turnstile entry and exit data.

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## 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

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