Xiaohan Jiang

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EDUCATION

Bosotn University   Boston, MA
M.S. Computer Science   May 2025
University of Connecticut   Storrs, CT
B.S. Statistics   May, 2019

PROFESSIONAL EXPERIENCE

Outlier AI   Boston, MA
AI Trainer   January 2024 - May 2024
- Achieved 95% accuracy in evaluating and refining AI solutions for math problem-solving, enhancing overall AI performance in logical reasoning.
- Developed advanced Math & Reasoning prompts, contributing to a 10% improvement int he AI's response quality.

YinTech Innovation Lab   Waltham, MA
Data Analytics Intern   December 2017 - February 2018
- Analyzed user chat content from YinTech Trading platform to identify and eliminate inappropriate content, applied Naive Bayesian model with Python to build a self-learning identification system
- Tested the natural language programming based filter engine for quality control purpose, monitored and recorded test results and wrote a comprehensive report on the engine's efficiency
- Improved the product efficiency using Mean Reciprocal Rank and Mean Average Precision methods, simulated with Monte Carlo model to produce expected tendency
- Made recommendations on the areas of improvement to the technical team

Happy Life Insurance   Shenzhen,CN
Insurance Anlytics Intern   May 2017 - July 2017
- Handled confidential company records and prevented exit employees from exposing them to competitors, the effort was highly praised by the company management
- Coordinated among customers, hospitals and insurance agents to make sure medical records, billing and corresponding letters were complete to meet insurance processing requirement

ACADEMIC PROJECTS

TOEFL Score Reporting Application   Boston, MA
Developed a score reporting application using Java, MySQL to manage students' TOEFL scores and other information.
                                                                                                                     December 2023
- Designed the data models and created SQL statements to initialize the database in MySQL server
- Implement the java classes to interact with database through JDBC interfaces

Design Conceptual Model of the Database System   Boston, MA
Track the health insurance information of people living in a certian metropolitan area who have health insurance through their employers.   February 2024
- Identified the entity type, relationship type, and attribute of each object
- Designed Entity Relationship(ER)diagram to present the entity type, relationship type and the attribute with(min,max) constraints, conerted the ER diagram into relational database schema diagram including primary keys and foreign keys
- Manipulated SQL files to generate automatic process to support self-service data pipeline management
- Performed trend analysis to promote a secure Electronic Health Record(EHR) system among providers, patients, and insurance company based on data using SQL

Spotify Popular Music List Analysis   Boston, MA
Analyze the Spotify datasets using R to calculate the correlation within popular songs, publishing years, and other factors
                                                                                                                     October 2024
- Calculated the Mean, Standard Deviation, and variation of the number of songs that been played.
- Analyzed the facters that correlate to the popular songs by using the central limit thereom. Developed the hypothesis testing to find the facters that contribute to the popularity of the song.
- Displayed the outputs on the web application page using HTML

SKILLS

- **Programming Skills:** Java, Python, SQL, R, JavaScript
- **Tools:** Eclipse, Pycharm, Juptyter Notbook, MySQL, Tableau, RStudio, Weka, Workbench
- **Language:** English (Proficient), Mandarin (Native)