Hung M. Tran

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EDUCATION

University of Pennsylvania, School of Engineering and Applied Science
Master of Computer and Information Technology   May 2025
- **GPA:** 4.0/4.0 | **Coursework:** Data Structures & Software Design, Algorithms & Computation, Artificial Intelligence

Temple University, Fox School of Business
Bachelor of Business Administration   December 2018
- **GPA:** 3.76 / 4.0 | **Major:** Finance

TECHNICAL SKILLS

Programming Languages/Frameworks: Java, Python, SQL, Visual Studio, Eclipse, VBA, GitHub, JUnit, R, SAS, Excel

SELECTED PROJECTS

Language Models with N-grams [Link to GitHub Repo](#)   2024
Technologies: Python
Description: A simple N-gram language model generates random text via a source document by analyzing sequences of tokens
- Utilized advanced techniques such as sentence tokenization and N-grams model computation to meticulously analyze token probabilities within contextual frameworks.
- Empowered users with the ability to fine-tune settings for optimal token generation and thorough perplexity analysis.

COVID-19 Data Analysis Interface [Link to Github Repo](#)   2023
Technologies: Java, Junit, JSON
Description: An application that parses Covid and population data from Philadelphia Dept. of Public Health
- Employed N-tier architecture for Java application, seamlessly integrating COVID data analysis, property insights, and population trends from Philadelphia's health department.
- Implemented Singleton for user activity logs, Strategy for diverse average computation, and memorization for optimized method calls, enhancing application efficiency and functionality.

Student Management System [Link to Github Repo](#)   2023
Technologies: Java, Junit
Description: A login-based system for students, professors, and admins to manage courses.
- Developed a console-based student management system using a provided database for course tasks (viewing, adding, dropping) by students, accessing course details by professors, and course/student/professor management by admins.

Tower Blaster Game [Link to Github Repo](#)   2023
Technologies: Python
Description: One-player vs. computer game: Arrange bricks in ascending order to strategize and win.
- Designed an algorithm to optimize the number of times of arranging the bricks in the pile to win the game.
- Ranked top ten in Tower Blaster Tournament using algorithms among 100+ competitors.

WORK EXPERIENCE

Lassonde Pappas | Cherry Hill, NJ *Commercialization Analyst*   April 2021 - Present
- Optimized conversion strategy and inventory management through trend analysis, reducing storage costs by 30% during transitions.
- Provided inventory insights and reports to cross-functional teams, enhancing operational coordination.
- Leveraged Excel's advanced features for process improvement, leading to cost savings of $2,000 monthly by identifying material waste patterns.

CLX Logistics | Blue Bell, PA *Freight Payment Analyst*   April 2019 - March 2021
- Strengthened customer finances via regular operational and financial reporting, pinpointing cost discrepancies, and proposing solutions to senior management.
- Ensured financial accuracy by examining 15 weekly billing statements, utilizing diverse tools including Excel functions, SQL Server, and internal systems to validate data and generate management dashboards/models.