Tran (Theresa) H. Le

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EDUCATION

Georgia State University, J. Mack Robinson College of Business — Atlanta, Georgia
Master of Science in Analytics - Data Science and Analytics — Expected December 2026

- Concentration: **Data Science in Business**. GPA: 3.93
- Awards: Graduate Assistantship, Delta Analytics Scholars**,** Dean's List

Bachelor of Business Administration in Computer Information System — May 2025

- Concentration: **Data Analytics**. GPA: 3.89
- Honors: **Dean's List** (Spring 2023 and Fall 2024), **President's List** (Summer 2024 and Spring 2025), **Magna Cum Laude** distinction.

SKILLS

Python | SQL | R | NoSQL | Machine Learning | Databricks | Jupyter Notebook | PyCharm | MongoDB | Power BI | Tableau | Microsoft Excel (Pivot Tables, VLOOKUP) | Data Visualization | Statistics | Project Management | Critical Thinking | Public Speaking.

RELEVANT EXPERIENCES

Georgia State University — Atlanta, Georgia
Research Assistant — August 2024 – Present
Dr. Xinyu Fu, Computer Information System Department

- Summarize literature reviews to facilitate research projects, synthesizing findings into comprehensive reports by analyzing multiple research papers mainly operating Google Sheets.
- Present research findings in written reports and oral presentations.
- Collaborate with supervisor/ PhD candidates through weekly meetings to deliver project updates and align research progress with goal.

Shepherd Center — Atlanta, Georgia
Data Analytics — August 2025 – December 2025

- Collaborated on a **healthcare analytics project** analyzing stroke patient data to support precision rehabilitation and treatment planning.
- Applied **machine learning methods** (linear regression, logistic regression, KNN, Random Forest) and data-driven approaches to identify effective treatment strategies.
- Performed data cleaning, exploratory analysis, feature engineering, and model evaluation using **Python, SQL, RStudio**, and **generative AI** solution tools, delivering clinically meaningful insights to advance patient care.
- Presented to project deliverables including **technical documentation, reproducible code, and stakeholder presentations,** ensuring clarity and usability of results.

Georgia State University — Atlanta, Georgia
Learning Assistant, Mathematics and Statistics Department — August 2023 – May 2025

- Supported **1000+** students in solving problems, completing assignments, and preparing for exams deploying Excel, **100% students passed** exam with high grade.
- Communicated regularly with professors and instructors to manage with coursework's and identify areas where students need help twice or three times each week.
- Provided one-on-one and group tutoring, improving student performance and comprehension.

PROJECTS

Healthcare Monitoring Systems - Data Management & Analytics Project — August 2025 – December 2025

- Built a healthcare monitoring system on **Databricks** using **SQL** to analyze 1,000+ synthetic patient records
- Wrote analytical SQL queries to identify high-risk chronic disease patients, with focused analysis on Type 2 Diabetes
- Enabled data-driven identification of high-risk patients and overdue follow-ups, supporting earlier intervention and improved patient management by creating a dashboard.

Employee Attrition Prediction - Machine Learning Project — August 2025 – December 2025

- Built and evaluated supervised machine learning models to predict employee attrition using IBM HR Analytics data (1,470 employees), addressing class imbalance with **SMOTE** and stratified sampling.
- Trained and compared Logistic Regression, Decision Tree, Random Forest, SVM, and XGBoost models; selected **Logistic Regression with SMOTE + hyperparameter tuning** as the best-performing, achieving strong Recall, F1-score, and ROC-AUC.
- Identified key attrition drivers and translated model outputs into **actionable retention insights** for HR decision-making.

Capstone Site 2.0 Website – Team lead — January 2025 – May 2025

- Led a team of 3 undergraduate students, and collaborating with faculty, alumni, and companies to gather, ensuring accurate and up-to-date information, built **80%** of website for CIS undergraduate students.
- Managed project scope, project timelines, assigning tasks, milestones, and documentation using **Smartsheet**.
- Created a website leveraging integration of UI/UX design principles deploying Figma and Webflow, Google Sites ensuring a user-friendly interface.

RESEARCH PAPERS

Le, T. H., Mai, K. Y., (2025). "Talk to Me: A Preliminary Review on the Evolution and Impact of Emotional AI". In proceeding of AMCIS 2025 (TREO TALK).

ACTIVITIES

Member, Women in Technology, *Georgia State University, Atlanta, Georgia.* — August 2023
Member, Technology Association of Georgia (TAG), *Atlanta, Georgia* — August 2025