

Tran (Theresa) Huyen Le

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EDUCATION

Georgia State University, J. Mack Robinson College of Business

Master of Science in Analytics - Data Science and Analytics

Atlanta, Georgia

Expected December 2026

- Concentration: **Data Science in Business**.

- **Graduate Assistantship Award** (competitive, merit-based funding)

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 | Jupyter notebook | Pycharm | R | Tableau | SQL | Pivot Table | V-Look Up | Microsoft Excel | Power BI | Data Visualization | Database management | Communication & Presentation | Statistics & Quantitative research | Critical Thinking & Problem-solving | Data analytics | Machine Learning | Databricks.

RELEVANT EXPERIENCES

Georgia State University

Atlanta, Georgia

Graduate Research Assistant, Shepherd Center (in partnership with Institute for Insight Department)

August 2025 - Present

- Collaborate on a **healthcare analytics project** analyzing stroke patient data to support precision rehabilitation and treatment planning.
- Apply **machine learning methods** (linear regression, logistic regression, KNN, Random Forest) and data-driven approaches to identify effective treatment strategies.
- Perform 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.
- Present project deliverables including **technical documentation, reproducible code, and stakeholder presentations**, ensuring clarity and usability of results.

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.

Learning Assistant, Mathematics and Statistics Department

August 2023 – May 2025

- Advised over **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 coursework's and identify areas where students need help twice or three times each week.
- Gave one-on-one or group support to students in understanding statistical concepts, and **Excel functions** in person and online twice a week with 2 hours at once.

PROJECTS

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.

Fraudulent Job Post Detection – Machine Learning Analytics

August 2024 – December 2024

- Cooperated with a team of 5 to develop a machine learning pipeline in R operating of **17,000+** job postings with **17** feature to detect fraudulent job postings
- Processed **data cleaning** (missing values, duplicates), and feature engineering for categorical, numerical, and textual data.
- Designed and compared **Logistic Regression, KNN, and Random Forest models**, with Random Forest achieving **98%** accuracy and **97%** balanced accuracy, outperforming other classifiers.
- Evaluated models using **confusion matrix**, and **balanced accuracy**, presenting insights to enhance fraud detection on job platforms.

Predicting Mental Health in Remote Work Settings – Data Programming

August 2024 – December 2024

- Analyzed a Kaggle dataset (**5000** rows, **20** features) on employee well-being and productivity, performing data cleaning, label encoding, and normalization with **Python (Pandas, Numpy)**.
- Built and evaluated **Random Forest, Decision Tree**, and **Logistic Regression models** operating **Scikit-learn**, assessing performance with precision, recall, F-1 score and accuracy.
- Identified key predictors of mental health conditions, with **Age contributing ~79%** to Random Forest feature importance, alongside **social isolation** and **work-life balance** ratings.
- Performed findings and **visualizations** (confusion metrics, feature importance plots) via **Google Colab**, recommending **Random Forest** for more balanced prediction across classes.

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