

# Ha Tran

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## EDUCATION

### University of South Florida

Aug. 2022 – May 2026

*Bachelor of Science in Artificial Intelligence and Business Analytics*

*Tampa, FL*

*Bachelor of Science in Econometrics and Quantitative Economics*

*GPA: 3.98*

## EXPERIENCE

### Business Intelligence Intern

Jun. 2024 – Aug. 2024

*Princeton University*

*Princeton, NJ*

- Developed Tableau dashboards with row-level security for a data source of 7M+ rows extracted from the data warehouse, boosting data visualization reporting speed by 80% to support university-wide insights
- Automated email report distribution using Microsoft Power Automate for Excel datasets containing 10K+ rows, cutting processing time from hours to 10 seconds
- Built automated Excel templates using VBA, Macros, and other advanced functions (nested IF statements, VLOOKUP), streamlining monthly analysis of 200+ rows
- Researched and generated a comprehensive Generative AI overview, which served as a foundational guide for 150+ Office of Finance and Treasury staff in understanding and integrating AI tools into their workflows

### Export Department Intern

Jun. 2023 – Aug. 2023

*Intercontinental Shipping Co., Ltd.*

*Haiphong, Vietnam*

- Audited international shipping documentation to ensure regulatory compliance, decreasing clerical errors by 25%
- Coordinated with logistics partners and clients to resolve shipping issues, improving deal closure efficiency by 20%

## PROJECTS

### Apple Quality Classification | *Orange Data Mining*

Apr. 2025 – May 2025

- Processed and analyzed 4,000-record dataset of apple features (e.g., size, firmness, sugar content) to classify fruit quality using Decision Tree and Neural Network models
- Evaluated models via hyperparameter tuning and 10-fold cross-validation, selecting a Neural Network that achieved 12% higher accuracy and better performance on borderline-quality cases

### Electronics Sales Analysis | *Python, pandas, numpy, scikit-learn, matplotlib*

Oct. 2024 – Nov. 2024

- Conducted exploratory data analysis on 20,000+ sales transactions, revealing key revenue drivers including the 35–64 age group and \$21.5M in annual smartphone sales.
- Built SVC models with 83–87% accuracy to predict customer loyalty and shipping preferences, informing marketing and inventory strategy

### Hospital Administrator's Database | *Vision, Microsoft SQL Server*

Aug. 2024 – Dec. 2024

- Designed Entity-Relationship Diagrams (ERDs), Enhanced Entity-Relationship Diagrams (EERDs), and relational schemas to support critical hospital operations for over 10,000 patient records
- Built and implemented a SQL-based relational database to track patient admissions, nurse assignments, and treatment records, enabling efficient querying and generating 5+ reports for hospital administration

## EXTRACURRICULAR ACTIVITIES

### Peer Leader

Aug. 2024 – May 2025

*Corporate Mentor Program, University of South Florida*

*Tampa, FL*

- Guided 12+ first-generation students within the Corporate Mentor Program, facilitating connections with industry professionals to foster their academic and professional growth.
- Orchestrated and executed career development events for 120+ students, while also providing feedback to enhance peer support initiatives and promote inclusion.

## TECHNICAL SKILLS

**Languages:** SQL, Python (pandas, numpy, scikit-learn, matplotlib, seaborn), R, HTML, C/C++

**Tools:** Tableau, Power BI, Power Automate, Excel (VBA, Pivot Tables, Solver), Orange Data Mining

**Concepts:** Data Mining, Data Modeling, Machine Learning, Data Visualization, Statistical Analysis

**Certifications:** Google Data Analytics Professional Certificate, USF Muma Citizen Data Science