

Ha Tran

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EDUCATION

University of South Florida <i>Bachelor of Science in Artificial Intelligence and Business Analytics</i>	Aug. 2022 – May 2026 Tampa, FL
University of South Florida <i>Bachelor of Science in Econometrics and Quantitative Economics</i>	Aug. 2022 – May 2026 Tampa, FL

EXPERIENCE

Business Intelligence Intern <i>Princeton University</i>	Jun. 2024 – Aug. 2024 Princeton, NJ
<ul style="list-style-type: none">Developed Tableau dashboards with row-level security for a data source of 7M+ rows extracted from the data warehouse, boosting data visualization reporting by 80% to support university-wide insightsAutomated email report distribution using Microsoft Power Automate for Excel datasets containing 10K+ rows, cutting processing time from hours to 10 secondsGenerated automated Excel templates using VBA, Macros, and other advanced functions (nested IF statements, VLOOKUP), streamlining monthly analysis of 200+ rowsResearched and generated a Generative AI overview used as an initial roadmap for AI integration, benefiting 150 staff members in the Office of Finance and Treasury	
Export Department Intern <i>Intercontinental Shipping Co., Ltd.</i>	Jun. 2023 – Aug. 2023 Haiphong, Vietnam
<ul style="list-style-type: none">Improved data validation and ensured regulatory compliance, reducing processing errors by 25% and boosting daily efficiency by 20%Streamlined export documentation using digital tools, contributing to 40% of monthly deal closures	

PROJECTS

Apple Quality Classification <i>Orange Data Mining</i>	Apr. 2025 – May 2025
<ul style="list-style-type: none">Led a 2-member team to develop and compare Decision Tree and Neural Network models on a 4,000-record apple dataset, achieving up to 88.1% accuracy and 0.957 AUC in predicting fruit qualityRecommended Decision Trees for short-term use due to lower complexity and cost, and Neural Networks for long-term scalability and 12% higher accuracy, aligning model performance with operational trade-offs	
Hospital Administrator's Database <i>Vision, Microsoft SQL Server</i>	Aug. 2024 – Dec. 2024
<ul style="list-style-type: none">Designed ERD, EERD, and relational schemas to support hospital operations for 10K+ records, ensuring data integrity & scalabilityBuilt 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	
Electronics Sales Analysis <i>Python, pandas, numpy, scikit-learn, matplotlib</i>	Oct. 2024 – Nov. 2024
<ul style="list-style-type: none">Conducted exploratory data analysis on 20,000+ sales transactions, visualizing key factors for data-driven decisions, such as a 35-64 age group driving revenue and smartphones generating \$21.5M annuallyDeveloped SVC data models with 83-87% accuracy to forecast customer behaviors, including loyalty membership and shipping preferences, enabling optimized marketing and inventory strategies	

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, ChatGPT
Concepts: Data Mining, Data Modeling, Machine Learning, Data Visualization, Time Series Analysis, ETL
Certifications: Google Data Analytics Professional Certificate, USF Muma Citizen Data Science