

# Minh Son Tran

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## EDUCATION

### University of Florida

August 2024 – May 2028

*Bachelor of Science in Data Science – GPA: 3.73*

*Gainesville, FL*

- Courses: Programming Fundamentals, Introduction to Computational Math, Programming with Data in R, Computational Linear Algebra, Application of Discrete Structures, Database Design (UCI)
- Honor Awards: University of Florida's Dean List (2024), Reitz Union's Rising Star (2025)

## SKILLS SUMMARY

**Languages:** Python, C/C++, SQL, DAX, R, Matlab

**Tools/Libraries:** Git, Docker, PostgreSQL, Supabase | pandas, NumPy, Matplotlib | Fast API, Gemini API

**BI/Visualization:** Power BI (DAX, Power Query), Tableau, Excel (PivotTables, Power Pivot)

**Analytical Technique:** Data Analysis, Data Engineering, Data Visualization, Machine Learning Libraries

## EXPERIENCE

### Data Engineer

March 2025 – Present

*University of Florida*

*Gainesville, FL*

- Collaborated cross-functionally with technical peers to engineer and deploy a **full-stack tutor reporting platform** for **E2S**, a nonprofit serving **200+ UWC students**, improving system scalability and maintainability
- Designed and automated an LLM-powered reporting pipeline with **OpenAI API**, generating **500+ structured session summaries** and progress reports with **90% less manual effort**
- Developed a responsive HTML interface and public website using modern web frameworks, increasing tutor applications by **30%** and enhancing program accessibility

### Event Productions Student Assistant

January 2025 – Present

*Reitz Union, University of Florida*

*Gainesville, FL*

- Coordinated logistics for **1000+ events**; during peak periods, used **7 Points Ops** and the Event Management System (EMS) to supervise **50+ events/day**, direct crews and resources, and sustain **98%** setup accuracy
- Managed audio/lighting for **200+ events**; ran weekly inventories and documentation with **100%** compliance, and resolved **95% of 300+** radio requests within 5 minutes to keep operations on time

## PROJECTS

### DiegoAI - Email Automation AI | Python, Gemini API, Power BI, Supabase

September 2025 – Present

- Built an AI tool for brokers that **ranks** shippers by on-time delivery; integrated **Gemini API (2.5-pro)** and PDF parsing to extract **business data**, cutting manual work by **60%** and producing a **1,000+** company target list
- Designed a Supabase outreach tab with prospect filtering and **AI email automation**; handled **2,500+** clients in **15+** industries; optimized via SQL to cut **85%** manual task and improve accuracy to **95%** for 500+ monthly runs

### Alpha Signal Development | Python, Pandas, NumPy, WorldQuant BRAIN

May 2025 – Present

- Developed and backtested 3 alpha signals (mean-reversion, earnings announcement, sector momentum) on **3,000+ US equities** over **5 years**, achieving **12.5% annualized returns** and **Sharpe 2.1** with industry neutralization
- Implemented signals using BRAIN's expression language after Python prototyping; optimized via **grid search**, reducing drawdown by **8%** and turnover by **40%** while **outperforming S&P 500** by **9%**

### CivicOps-311: SLA Risk Prediction | Python, SQL, PostgreSQL, FastAPI, Power BI

August 2025 – Present

- Built an end-to-end 311 analytics platform: collected/cleaned/modeled **5,000+** tickets; warehoused in **PostgreSQL**, engineered **10+** features and **5 SQL KPIs** (SLA); delivered to stakeholders via **Power BI**
- Trained and deployed a **Random Forest** SLA-breach model (**ROC-AUC 0.703**; **36%** recall; **4,714** tickets; **70%+** accuracy); served via **FastAPI** (**3 endpoints**) in a **CI-ready** repo with **Dockerized** Postgres

## LEADERSHIP EXPERIENCE

### Volunteer Lead

March 2025

*2025 UF Data Science and Informatics Spring Symposium — University of Florida*

*Gainesville, FL*

- Directed **15+** volunteers across **5 sessions**; managed registration/logistics for **200+** attendants and **10+** speakers.