

# TIM PHAN

Atlanta, Georgia • US Citizen • 470-699-2840 • [tphan73@gatech.edu](mailto:tphan73@gatech.edu) • [linkedin.com/in/phanmtim](https://www.linkedin.com/in/phanmtim) • [phanmtim.github.io](https://github.com/phanmtim)

## EDUCATION

### GEORGIA INSTITUTE OF TECHNOLOGY

Atlanta, Georgia

#### Master of Science in Quantitative and Computational Finance

May 2026

- GPA: 4.0
- Coursework: Deep Learning, Natural Language Processing, Computational Data Analysis, Numerical Methods in Finance, Fixed Income Securities, Derivative Securities

### GEORGIA INSTITUTE OF TECHNOLOGY

Atlanta, Georgia

#### Bachelor of Science in Business Administration

December 2024

- GPA: 4.0
- Major: Information Technology Management
- Coursework: Calculus I, Calculus II, Linear Algebra, Object-Oriented Programming, Databases, Analytics, Quantitative Analysis, Python for Data Science, Data Preparation & Visualization, Project Management, Operations

## EXPERIENCE

### SMURFIT WESTROCK

Atlanta, Georgia

#### IT&D Intern

May 2024 – August 2024

- Facilitated device replacement to transition to Windows 11 across the organization, ensuring alignment and smooth transition to support Win11 Project
- Gathered requirements, assessed functionalities, and provided feedback for the MachONE Foundation project to ensure minimal disruption to business operations with rollout of new system
- Assisted in the development and maintenance of the Digital Transformation Office SharePoint site for the Smurfit Westrock intranet, enhancing accessibility and usability for stakeholders

### EXTERN

Remote

#### VC Industry Research & Pitch Deck Analysis Externship

March 2024 – April 2024

- Conducted a comprehensive market analysis of EV Infrastructure to identify emerging trends
- Evaluated competitive landscapes, and uncover key opportunities for growth in the energy sector
- Prepared a market analysis presentation for the identified deal to drive investment decisions
- Wrote an investment summary document to present key information on an energy startup to potential investors

## PROJECTS

### CADUCEO

Atlanta, Georgia

#### Team Member (Hacklytics 2025)

February 2025

- Developed a healthcare cost analysis chatbot leveraging OCR, NLP, and ML to detect overcharges in medical bills, delivering accurate charge classification and explanations through a conversational interface
- Engineered a multimodal AI pipeline using Azure AI Vision (OCR), a 4-bit quantized LLaMA 3.2B model, DBSCAN clustering, and MongoDB/Snowflake, achieving >0.90 Silhouette coefficient for charge anomaly detection
- Won 2nd Place in Assurant Challenge: Revolutionize AI Solutioning with Multimodal Agentic AI, working in a team to build an end-to-end solution combining LLMs, clustering algorithms, cloud services, and real-time data infrastructure

### BIKE SHARING PROJECT

Atlanta, Georgia

#### Team Member (Analytics)

February 2024 – April 2024

- Performed detailed exploratory analysis, identifying 'hour of the day' as a significant predictor of bike shares
- Developed Random Forest, Feedforward Neural Network, and Gradient Boosting Machine models with K-fold cross validation for bike-sharing predictions
- Utilized MSE and RMSE as evaluation metrics, achieving an RMSE of 258.5657 with the Random Forest model

## SKILLS

**Programming:** Python, R, SQL

**Technology:** Machine Learning Algorithms, NumPy, Pandas, TensorFlow, scikit-learn, ETL, Database Design, Tableau, Azure, Excel, Snowflake, MongoDB

**Affiliations:** Trading Club, Data Science at Georgia Tech, Investments Committee, Barbell Club

**Interests:** Machine Learning, Powerlifting