

TIM PHAN

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, Scheller College of Business **Atlanta, Georgia**
Master of Science in Quantitative and Computational Finance *May 2026*

- Coursework: Computational Data Analysis: Learning, Mining, and Computation, Numerical Methods in Finance, Fixed Income Securities, Derivative Securities

GEORGIA INSTITUTE OF TECHNOLOGY, Scheller College of Business **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

Awards: Hacklytics 2025 2nd Place in Assurant Challenge: Revolutionize AI Solutioning with Multimodal Agentic AI

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

Interests: Machine Learning, Powerlifting