GUILLAUME EYMERY

Graduate Student in Industrial and Systems Engineering at Georgia Tech with strong analytical and computing skills, looking for a full time position in Quantitative Finance starting in 2026

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PROFESSIONAL EXPERIENCE

GEORGIA TECH FINANCIAL SERVICES INNOVATION LAB, Atlanta   **Aug 2025 - Dec 2025**
Student Research Assistant
- Developed a Python-based tool to parse and interpret XBRL/iXBRL filings from the SEC, applying financial accounting knowledge to ensure accurate mapping of reporting items.
- Automated the retrieval of financial accounting data for publicly traded companies leveraging the EDGAR API.
- Building structured financial datasets for ongoing research (Machine Learning / Optimization) for predictive modeling.

TRUIST BANK, Atlanta   **June 2025 - Aug 2025**
Quantitative Model Development Intern
- Reverse engineered the methodologies behind credit rating agencies, incorporating financial accounting principles to better interpret balance sheet and income statement drivers of creditworthiness.
- Developed an internal credit risk model in R that estimates the probability of default on a 12-month horizon and assigns ratings accordingly (R^2 = 0.85 vs. benchmark).
- Built macroeconomic forecasting models using factor-based time series methods, applying Kalman filtering and smoothing for conditional forecasts (Federal Reserve interest rate scenarios).

C.A.S.E. at ISyE, Atlanta - Center for Academics, Success, and Engagement   **Jan 2025 - May 2025**
Graduate Student Assistant - Tutor in Statistics and Probabilities
- Assisted Bachelor's degree students in class ISyE *3030: Basic Statistical Methods*
- Test of hypothesis, linear regression and correlation, point and interval estimation

LAMOTHE ABIET, France – Food Company, leader in oenology   **June 2023 - Aug 2023**
Operations & Data Analysis Intern
- Developed a VBA-based model cross-referencing sales forecasts with stock levels to minimize losses from unsold perishables.
- Acted as interim Supply Chain Manager during vacation coverage, overseeing production planning, warehouse inventory, and logistics operations, ensuring >95% on-time deliveries.
- Designed and monitored performance metrics for logistics operations to optimize costs and service levels.

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, H.Milton's School of Industrial and Systems Engineering (ISyE), Atlanta
MS in Industrial Engineering - SCE   **Fall 2024 - Fall 2025**
- Courses in Operations Research, Statistics and Probabilities, Financial Engineering and Strategy

ECOLE NATIONALE SUPERIEURE D'ARTS ET METIERS PARISTECH (ENSAM), Paris
BS - MS in Industrial Engineering   **2022 - 2024**
- Advanced courses in Mathematics, Statistics, Computer Science, Financial Accounting and Operations Management

SKILLS

- **Python**: Object Oriented programming, data treatment, analysis, and manipulation, simulation, optimization, automation.
- **SQL**: SQL Queries, Data Manipulation, Table Creation, Index management.
- **R:** Statistical Analysis, Data Visualization, Model Development.
- **Microsoft Dynamics 365 Business Central:** Data Entry, Reporting and Analytics, Financial Management
- **Microsoft** Excel, Word, Power BI, VBA

Languages: English (C2 - Fluent), French (Native), Spanish (Intermediate)

Personality: Curious, proactive, detailed oriented, strong communication skills and adaptable in fast paced environments.

SELECTED PROJECTS

"Factor Augmented Vector Autoregression (FAVAR) for Modern Day Applications"   **Apr 2025 - Dec 2025**
- Building macroeconomic forecasting models for risk management operations.
- Implementing FAVAR methodology, from 2005 paper from Bernanke et al. on +130 modern day macroeconomic time series.
- Building a forecasting model (R.) estimating the impact of macroeconomic shocks (e.g. FedFund Rates) on the economy.

"Portfolio Optimization and Stock trading Strategies"   **Mar 2024 - Aug 2024**
- Created investment strategy using Python and historical market data.
- Optimized metrics such as Sharpe Ratio.
- Automated and backtested the strategy over different markets (USA, France, China) and backtesting over the last 13 years.

Link to my personal webpage & projects portfolio: [My Website:](#)