



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 starting in 2026

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PROFESSIONAL EXPERIENCE

GEORGIA TECH FINANCIAL SERVICES INNOVATION LAB, Atlanta

Aug 2025 - Dec 2025

Student Research Assistant

- Development of a tool (Python) to parse XBRL/iXBRL filings from the SEC.
- Automating the retrieval of financial data for publicly traded companies leveraging EDGAR API.
- Building financial datasets for ongoing research (Machine Learning / Optimization)

TRUIST BANK, Atlanta

June 2025 - Aug 2025

Quantitative Model Development Intern

- Reverse engineering the models behind credit rating companies to understand their approach.
- Developed an internal model (R) that estimates the probability of default on a 12 month horizon for a company and evaluates a credit rating accordingly (R-squared of 0.85 compared to benchmark).
- Macroeconomic forecasting using factor-based time series models, leveraging Kalman filtering/smoothing techniques for conditional forecasts (Federal Reserve Interest Rates).

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

Supply Chain and Logistics Intern

- Developed a model (VBA) cross-referencing sales forecasts with current stock to minimize loss related to unsold perishables.
- Replace the Supply Chain Manager during his vacations and ensure the continuity of the production, logistics, and restocking of the warehouse inventory (+ 95% on time deliveries).
- Managed company logistics in collaboration with 3rd party logistics firms to meet customer requirements.

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, Supply Chain Engineering and Strategy

ECOLE NATIONALE SUPERIEURE D'ARTS ET METIERS PARISTECH (ENSAM), Paris

BS - MS in Industrial Engineering

2019 - 2024

- Major: Industrial Engineering - Minor: Mechanical Engineering

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 (ERP):** Data Entry, Reporting and Analytics, Financial Management
- **Microsoft Excel, Word, Power BI**

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

SELECTED PROJECTS

“Factor Augmented Vector Autoregression (FAVAR) for Modern Day Applications”

Apr 2025 - Aug 2025

- 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.
- Estimating the effectiveness of VAR/FAVAR on alternative sectors. Currently working on CFAVAR (conditional VAR).

“Portfolio Optimization and Stock trading Strategies”

Mar 2024 - Aug 2024

- Creating investment strategy using Python and historical market data.
- Optimizing metrics such as Sharpe Ratio.
- Automating and backtesting the strategy over different markets (USA, France, China) and backtesting over the last 13 years.

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

INTERESTS & INVOLVEMENTS

- **Food runs** in the streets of Bordeaux with the association **Action Froid**, providing people in need with a hot meal, blankets, hygiene products, and emotional support. Weekly food runs were organized to give back to the community. (2023-2024)
- **Responsible for the wine-tasting branch** of the enology association of ENSAM Bordeaux to educate the students on the science of winemaking and organize wine-tasting events: choice of wines, budget management, and organization of tasting sessions. (2024)