

## 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)