

Thibault VERRETOUX
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Education

- 2025-Current** **University of Limoges**
Master's degree in economics – Expected graduation 2027
Courses: Finance, Econometrics, Data Analysis (Python), Banking Economy, Computer Science Applied to Finance (VBA), Industrial Economy.
- 2022-2025** **University of Limoges**
Bachelor's degree in economics
Courses: Econometrics, Applied Mathematics to Finance, Macroeconomics, Microeconomics, Computer Science.
- 2021-2022** **University of Limoges**
PASS (Health Access Program)
Introductory year in health Sciences.
- 2018-2021** **Lycée Pierre Bourdan**
French Scientific High School Diploma "Baccalauréat"
Physics and Biology specialization, with complementary Mathematics.

Professional Experience

- 2021-2025**
May-July **Sarl VERRETOUX (Family business)**
Seasonal Construction worker (Masonry)
 - Progressively advanced from construction worker to masonry assistant over the summers.
 - Gained hands-on experience in teamwork, physical endurance, and workflow organization.

Extra-Curricular Activities

- Self-Learning** **Derivatives**
 - Self-taught study of derivatives markets, covering options, fixed income, volatility, the Greeks and hedging.**Artificial Intelligence**
 - Daily use of LLM agents across my projects to automate research, data collection, analysis and coding, with prompt engineering and multi-agent orchestration.
- Projects** **Oil Price Shocks and Cross-Asset Volatility Transmission (Master's Dissertation)**
 - Built a Python pipeline (30+ scripts) measuring how oil supply shocks spread to equity and volatility markets, using GARCH volatility models, VAR impulse-response analysis and event studies on a 35-year multi-source market panel (Refinitiv, FRED, CFTC, EIA, ICE Brent).**Automated Monitoring and Data-Triage Pipeline (Python, web scraping, SQLite, LLM)**
 - Developed an end-to-end pipeline that scrapes online sources on a schedule, then classifies and deduplicates results with LLM agents, plus email and Telegram alerts and an autonomous self-improvement loop.
- Volunteering** **Guide Dogs for the Blind Association (2025)**
 - Co-organized on-campus charity fundraising event (bake sale, workshops) supporting guide dog training programs for visually impaired individuals.

Languages and Skills

- Languages:** **French** (Native language) – **English** (Advanced C1-EF SET 68/100, 2022)
- Computer:** Office Suite (Word, PowerPoint, Excel-VBA-), Python (NumPy, Pandas, statsmodels, arch, Matplotlib, Seaborn), Stata, SPSS, Jamovi, R.
- Other:** - Holder of the "**BLOOMBERG Market Concepts**" certification (December 2025)