

Dewell Guerand

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github.com/DewellGuerand | linkedin.com/GuerandDewell

Education

MEng , Louvain School of Engineering (EPL)	Sept 2025 – Present
• Major: Applied Mathematics	
BEng , Louvain School of Engineering (EPL)	Sept 2022 – June 2025
• Major: Applied Mathematics, Minor: Computer Science	
• Graduated Cum Laude	
Lycée de Berlaymont	Sept 2016 - June 2022
• Graduated with honors	

Experience

Quant analyst , LSM Investment Club	Oct 2025 - Present
• Conducted quantitative analysis to support investment decisions.	
• Collaborated with team members to develop trading strategies.	

Projects

GUI	github.com/DewellGuerand
• Developed an API that can be downloaded to compute the payment needed by the bank for a loan	
• Tools: Python (Tkinter library)	

Energy Optimisation

- Designed a model to determine optimal wind turbine placements for precise energy production targets
- Tools: Python

Memory management

- Implemented a custom malloc in C for memory management based on specific allocation policies
- Tools: C, bash

Flight optimisation

- Created an API and the backend to compute the minimal distance required to reach a certain destination based on preference of the passenger
- Tools: Python, Flutter (Dart)

Full-stack e-commerce platform

- Full-stack e-commerce platform for French artisanal bakeries, built with Next.js, TypeScript, and PostgreSQL, featuring online ordering, real-time inventory management, and multi-location support
- Tools: Next.js, TypeScript, PostgreSQL, Prisma

Tracking a Lorenz particle

- Estimated the position of a Lorenz attractor particle over time using a particle filter for stochastic process analysis
- Tools: Python

Finite element project

- Developed a complete finite element analysis application for solving 2D linear elasticity problems in engineering structures with mesh generation, solver, and visualization components
- Tools: C, Python

Personnal Achievement

Senior prom trophy Finished 13th out of 120 schools in the Walloon region in a 40 km trek.

Hockey : Played hockey for over 15 years, balancing sports with academic responsibilities. teaching lessons to the youngest players at the local club.

Market Investment Developed an interest in the markets and started investing my money, making some profitable investments.

Sport activities Practises sport daily and has run a half marathon (Brussels 20 km)

Camp cook Managed meal preparation and food logistics for a large scout unit.

Technical Skills

Languages: C, Java, Python, Oz, Assembly, Erlang, Bash, Dart

Software : Git, Overleaf, MATLAB

Language levels

- **French** : C2 (Native speakers)
- **English** : C1
- **Dutch** : B2