Mathias SIMOENS

Master's student in Business Engineering at Louvain School of Management, currently on Erasmus exchange at NHH Bergen in International Finance

7863, Ghoy | Belgium | +32 470.08.25.89 | mathias.simoens@student.uclouvain.be | LinkedIn | GitHub

EDUCATION

Louvain School of Management — **Mons, Hainaut**
Master of Business Engineering: Business Analytics — 2025 – 2027
Bachelor of Business Engineering — 2022 – 2025

NHH Norwegian School of Economics (Erasmus exchange) — **Bergen, Norway**
Master in Business Engineering: International Finance — August – December 2026

DATA & AI PROJECTS

Web Mining – ESG Benchmarking : Web scraping and NLP pipeline across 3 green retailers to measure how consistently companies use sustainability vocabulary in product descriptions vs. their official ESG reporting, exposing gaps between marketing claims and disclosed commitments.

University Menu Scrapper : Scrapes the daily menu image from UCLouvain's restaurant, extracts text using OCR, identifies the dish for the current weekday, and sends it through a Telegram bot.

Data Analytics – Sales Dashboard : Designed an interactive Power BI dashboard to monitor sales KPIs and support data-driven decision-making.

Artificial Intelligence – Gesture Recognition : 3D hand gesture recognition system in Python, classifying 10 gesture types across 2 domains using multiple ML approaches.

Recommender Systems – Movie Recommendation : Recommendation engine using the MovieLens dataset and evaluating different algorithms.

Quantitative Decision Making – Transhipement : Optimization model to solve a transhipment problem, minimizing logistics costs across a supply network using linear programming.

CHwapi - Surgical Schedule Optimization : Optimization model for surgical scheduling, improving operating room allocation and efficiency. Applied data-driven techniques to minimize scheduling conflicts and maximize resource utilization across surgical units. Delivering insights to support hospital management in surgical planning and reducing operational costs.

EXPERIENCE / EXTRACURRICULAR ACTIVITIES

Above Belgium – Freelance Photographer *(www.abovebelgium.be)* — *Since September 2023*
Started a photography business specializing in corporate and event photography, managing all operations from client acquisition to project delivery. Applied key business management skills in practice: pricing strategy, market analysis, financial management, and service positioning in a competitive market. Built a professional network through regular collaboration with corporate clients, developing strong communication and relationship management skills.

Berma - Business Engineer Intern (Anderlecht, Erpe-Mere) — *January – February 2025*
Hands-on experience across the full operations of a mid-sized company, from client and partner relations to supply chain management. Handled accounting tasks and worked with a new ERP system, developing practical skills in business process management and financial administration. Helped on the creation of a structured product database to support the launch of a new webshop, combining data management, cross-functional collaboration, and digital business development.

FUCaM Junior Consulting (Mons) – Financial Manager — *April 2025 – April 2026*
Elected Treasurer of a 20-member student consulting association facing financial and organizational challenges. Led the full restructuration and implementation of the organization into Odoo ERP, managing the entire migration and onboarding process. Oversaw financial management throughout the year, including bookkeeping, expense tracking, and budget responsibility, while sourcing and managing external partnerships. Organized large-scale events of 100+ attendees and led multiple cross-functional project teams simultaneously, developing strong leadership, planning, and stakeholder management skills.

SKILLS & CERTIFICATIONS

- Languages: French (Native), Dutch (Native), English (C1)
- Hard Skills: Python (Pandas, NumPy, Scikit-learn, Matplotlib, Surprise), SQL, PowerBI, Office, Adobe, GitHub
- Soft Skills: Leadership, Versatility, Teamworking, Autonomy, Initiative, Analytical Thinking, Entrepreneurship
- Certifications: Fundamentals of Business Strategy, Introduction to Econometrics.