

Gabriel Hardy-Joseph

LinkedIn, Portfolio, Github

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EDUCATION

HEC Montréal

Expected graduation: December 2025

Bachelor's of Business Administration – Business Analytics and Finance

- Honours program and mention of great distinction.
- Member of the International Case Competitions Team.

Sogang University

Mar. 2023 – Jun. 2023

Student Exchange Program – Seoul, South Korea

- Member of the Taekwondo and running clubs, represented the university at the Seoul Shinmun Half-Marathon.

EXPERIENCE

IBM | Intern, Business Analyst

Jan. 2024 – Dec. 2024

- Advised senior leadership on Go-to-Market strategies for IBM's Open Payments Marketplace by conducting market and industry research, analyzing competitors, building consolidated slide decks, and delivering presentations.
- Conducted client-centric research on North American independent software vendors and financial institutions.
- Integrated product analytics into IBM offerings through research and functional requirements development.

TMX Group | Intern, Systems and Data

Sep. 2022 – Dec. 2022

- Analyzed financial data from approved participants to detect manipulative trading practices.
- Developed a training program aiming to educate new employees about financial markets and regulatory concepts.
- Researched new tools to improve and automate the division's processes through Jira and Confluence.

EXTRACURRICULAR

HEC Data Science Committee | Competitions Vice President

May. 2024 – Present

- Led a data-driven competition with the CDPQ, conducting 40+ interviews and forming the top two winning teams.

University of Florida | Heavener International Case Competition – 2nd Overall

Feb. 2025

- Competed against 15 teams from prestigious universities worldwide, formed and presented strategic recommendations for the digitization of a global remittances company and the applications of VR technologies to treat chronic illnesses.

Jeux du Commerce | Information Technology Case – 2nd Overall and Favorite of the Jury

Aug. 2024 – Jan. 2025

- Participated in weekly resolutions of 20+ IT-focused business cases, presenting in front of professors, coaches and various industry leaders to represent the university at the largest business case competition in Eastern Canada.

KPMG | Ace The Case Regional Competition – First Overall

Feb. 2024

- Provided guidance on firm's expansion viability and acquisition potential, presenting insights to a judging panel.

Deloitte | Community Case Competition (DC3) – First Overall

Nov. 2023

- Formulated and presented recommendations to guide a non-profit through the process of technology integration.

PROJECTS

Stock Portfolio Optimizer App | Python, Streamlit, Git, API (Yahoo Finance)

- Built a stock portfolio optimization app using modern portfolio theory for optimal allocations.
- Implemented Monte Carlo simulations to estimate VaR and CVaR for enhanced risk assessment.
- Integrated Yahoo Finance API, leveraging Pandas, NumPy, and Cvxpy for analysis and visualization.

Iris Flower Classifier App | Python, Streamlit, Git

- Built a machine learning app for iris flower classification, leveraging a random forest model for prediction.
- Implemented features through Scikit-Learn, including real-time probability scoring and dynamic parameter selection.

SKILLS

Tools: Python, SQL, Tableau, PowerBI, Jupyter, Visual Studio, PowerPoint, Excel.

Libraries: Pandas, Numpy, Matplotlib, Plotly, Scikit-Learn, Cvxpy, Streamlit.

Languages: Fluent in written and spoken French and English.

Certifications: Stanford Machine Learning Specialization, Azure AI Fundamentals (AI-900).