

KELLY LIU

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EDUCATION

McGill University

Master of Management in Analytics; Concentration: ML and Optimization; Scholarship \$9,000

Jul 2023 – Dec 2024

GPA: 3.58/4.00

Concordia University

BComm Major: Business Technology Management; Minor: Computer Science

Sep 2016 – May 2021

GPA: 3.51/4.30

PROFESSIONAL EXPERIENCE

Schneider Electric

Beijing, China

AI Algorithm Engineer Intern (Coop)

May 2024 – Aug 2024

- Led 10+ internal and external AI projects in energy and industrial automation, achieving 5-10% annual energy savings through algorithm research, data analysis, modeling, solution development, and cross-departmental coordination
- Identified inefficiencies in Work Instruction preparation for process and mechanical engineers and developed a digital SaaS tool prototype powered by AI to streamline the process, improving efficiency and saving time
- Streamlined AI use cases and created bilingual promotional materials; participated in key market events, including the 2024 World AI Conference, to elevate Schneider Electric's AI presence

Foxconn Technology Group (Manufacturer for Apple Products)

Chengdu, China

Technical Project Manager

Jul 2021 – Jul 2022

- Led data driven failure analysis for quality enhancement, yield improvement, and cost-saving for MacBook New Product Introduction Phase, improved process efficiency by more than 50%
- Conducted production simulations to ensure capacity during the transition from existing product obsolescence to new product introduction, saving millions USD by optimizing warehouse stacking instead of investing in a new production line

Novartis Pharmaceuticals

Montreal, Canada

Commercial Business Analyst Intern (Coop)

Sep 2018 – Jul 2019 & Jan 2020 – Jun 2020

- Assisted 3 new drug launches, supported brand teams with data insights for strategic planning and problem solving by building forecasting models
- Built dashboards to visualize data from multiple sources, enabling brand managers to better understand market performance, which resulted in market share gains and increased revenue

ACADEMIC PROJECTS

CN Rail Data Solution Consulting Project

Montreal, Canada

Solution Consultant

Sep 2023 – Apr 2024

- Designed and developed a GenAI automated classification solution POC, tailored to client needs, achieving a 50% cost reduction using Python, multimodal large models, VectorDB, PowerBI, and Azure cloud services.
- Conducted train operation analysis for fuel efficiency optimization using data mining techniques, delivering energy-saving solutions with break-even by year 3 and a cumulative saving of CAD\$1,654

AWARDS

2nd Place in 2024 Retail GenAI Hackathon (Award: \$3,000)

Montreal, Canada

GenAI Solution Architect

Sep 2024 – Oct 2024

- Empowered ALDO store managers to make data-driven store operation decisions by developing an AI self-serve tool.

SKILLS AND INTERESTS

Data & AI: Python (Pandas, Gurobi, Scikit-Learn, NLTK, CausalML, PyTorch, TensorFlow, XGBoost, LLM), R, SQL, Web Programming, Apache Spark, PowerBI, Tableau, Databricks, Azure, AWS, GenAI (LangChain, RAG, LLMOps, Bedrock), DevOps (Docker, Git, CI/CD)

Product and Project Management: UI/UX Design, Figma, Jira, Agile (Scrum, Kanban)

Interests: Indie Hacking, Mixed Martial Arts, Fitness