

Dimitri El-Choueiry

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[Portfolio](#) [linkedin](#) [github](#)

Relevant Experience

Applied GenAI Software Developer P2 – DevX

Nov 2025 – Present

Autodesk

Montreal, Qc - Remote

- Building intelligent agentic systems that understand code, predict developer needs, and automate complex development tasks, integrated with GitHub Copilot and IDEs like VS Code and Cursor
- Developing GenAI solutions such as AI Agents, MCP, and RAG to enhance developer productivity and experience

Technical AI/ML Advisor

Sept 2025 - Present

Nuonc Inc. (backed by Dr. Thomas Seyfried)

Remote - 1.5 hrs/week

- Led weekly advisory meetings on AI/ML strategy for scaling personalized cancer care from 1-1 coaching to production application
- Guided computer vision and LLM agent implementations for dietary tracking and personalized health insights; advised on ML-to-LLM pipelines that convert metabolic data into actionable patient recommendations

Programming & AI instructor

Sept 2025 – Present

Armenian School of Sourp Hagop

Montreal, Qc - 1.25 hrs/week

- Teaching an after-school class to middle and high school students introducing them to programming in python and the applications of AI
- Designed full curriculum covering python, OOP, hands on AI projects, and real world uses of programming
- Fostering engagement through interactive lessons, coding challenges, and real world projects

AI / ML Developer – Innovation & AI team

May 2025 – Oct 2025

Tecsys - Extended internship

Montreal, Qc - Remote

- Built custom LLM+RAG Agent evaluation framework: 4 judges with 20+ criteria converting qualitative traits to quantitative scores, layered with BERT/Rouge-L metrics
- Integrated evaluations into MLflow for experiment tracking and systematic evaluation of agent improvements reducing LLM agent release cycles.
- Solved data scarcity bottleneck for two projects (computer vision & LLM Agent) by designing synthetic data generation pipelines.
- Built full-stack evaluation workbench to research and compare model performance on computer vision task, shifting model selection from guesswork to data-driven decisions

Founder & AI / ML Developer

Jan 2025 - July 2025

TheGoatedProfessor 

Montreal, Qc

- Deployed an AI-powered study platform now used by **over 250 students**, helping them create better mental connections to study material
- Shipped **9 science-backed AI features**—adaptive quizzes, slide-specific explainers, spaced-repetition prompts—that raised average quiz scores by **18 pp**
- Led a 4-person team; ran A/B-tested campaigns that drove **250+ early-adopter sign-ups** and validated product-market fit

Relevant Projects

Legal GenAI Agents | Personal Project

Dec 2024 - May 2025

- Worked on R&D of GenAI legal agents for SMBs, combining domain-tuned LLMs, RAG, and tool calling, building LLM agents to help non-legal teams save on legal costs
- Curated and labeled a 127-document legal corpus, ran EDA, cleaning, and augmentation used to fine-tune the LLM

Predicting Biomarkers for Breast Cancer | Huron Digital Pathology

Sep 2024 - Jan 2025

- Secured **2nd place** in an industry-backed computer-vision research challenge, partnering with a medical-imaging firm to reduce diagnostic costs
- Re-implemented and enhanced a peer-reviewed ViT model to detect breast cancer from **H&E-stained** whole-slide images, achieving **90% precision** by training on a 2 terabyte image set.
- Researched and implemented novel Multi-CLS Vision Transformer variant in PyTorch

Skills

AI & Machine Learning: Scikit-Learn, Pandas, NumPy, Matplotlib, Seaborn, PyTorch, LangChain, LangGraph, HuggingFace, PIL, OpenAI, FastAPI, Flask

MLOps/DevOps: Git, Vercel, Postman, MCP, Databricks, MLFlow, Roboflow, Vector Databases, AWS Bedrock, AWS Lambda, AWS Sagemaker

Languages: Python, Java

Databases: SQL, PostgreSQL, MongoDB, Supabase, AWS S3, AWS DynamoDB

Education

Concordia University

January 2022 - June 2025

BCompSc in Computer Science, with Emphasis on Machine Learning

Montreal, QC

- Relevant courses and topics: Deep Learning, Computer Vision, Machine Learning, Intelligent Systems, Data Structures and Algorithms, Object-oriented programming, Databases, Linear Algebra, Multi-variable Calculus, Optimization