

Master's in Computer Science. AI Engineer. Passionate problem solver.

Skills

Programming Languages: • JavaScript/TypeScript • Python • Java • C/C++ • R • SQL

JavaScript Libraries: • Node.js • React • Next.js • React Native • Tailwind

Python Libraries: • PyTorch/TensorFlow/Scikit • Pandas • NLTK • OpenCV • Matplotlib/Seaborn • Pymatgen/DeepChem

Cloud Services & Database Systems: • Amazon Web Services (AWS) • Microsoft Azure • Firebase • MongoDB • MySQL

Development Tools: • Git/GitHub • Docker • Jira • HubSpot • Wiki • Jupyter • Redmine

Spoken Languages: • English (fluent) • French (fluent) • Armenian (native) • Turkish (intermediate)

Education

Master of Science in Computer Science (Non-Thesis)

McGill University

📅 Aug. 2023 – May 2025

📍 Montreal, Canada

- **Interests:** Data Science, Machine Learning, Natural Language Understanding/Processing
- **Roles:** Head Teaching Assistant for COMP 273 – Introduction to Computer Systems
- **Organizations:** Montreal Institute for Learning Algorithms (Mila)

Bachelor of Science in Computer Science, Minor in Mathematics

McGill University

📅 Aug. 2020 – Jul. 2023

📍 Montreal, Canada

- **Cumulative GPA:** 3.72/4.00
- **Coursework:** Artificial Intelligence, Machine Learning, Reinforcement Learning, Computer Vision, Robotics and Intelligent Systems, Statistics, Database Systems, Operating Systems
- **Organizations:** Armenian Students' Association (VP Finance), McGill Chess Club

Professional Experience

AI Software Engineer

Matador.ai

📅 Oct. 2024 – Present

📍 Montreal, Canada

- Design, develop, and maintain AI-powered chatbots and automation solutions for car dealerships, writing and optimizing code for seamless integration and high performance.
- Design and refine prompts to optimize chatbot responses, leveraging prompt engineering techniques to improve relevance, tone, and accuracy of AI-generated interactions.
- Communicate with and support dozens of dealerships, gathering requirements to tailor chatbot behaviour and AI solutions to their specific business needs.
- Analyze chatbot interactions, debug issues, and enhance system efficiency through iterative software updates and AI model improvements.

Machine Learning Research Assistant

Chemia Discovery

📅 May 2024 – Sept. 2024

📍 Montreal, Canada

- Built and trained machine learning models to accelerate material discovery.
- Used novel techniques in the material discovery field for material property prediction.
- Implemented cloud solutions with AWS and Microsoft Azure for model training and deployment.
- Gained nomination for Mitacs Outstanding Innovation Award for work performance and contribution.

Head Teaching Assistant | COMP 273 – Introduction to Computer Systems

McGill University

📅 Aug. 2023 – Apr. 2024

📍 Montreal, Canada

- Managed teaching assistants and assigned workloads.
- Resolved conflicts and issues with students while maintaining communication with the professor.
- Guided students through learning important concepts such as computer architecture and Assembly programming.

Software Integration and Testing Engineer Intern

Lockheed Martin Corporation

📅 May 2022 – May 2023

📍 Montreal, Canada

- Performed unit testing of proprietary software and reviewed code.
- Logged bugs and documented features and issues using Redmine and Wiki.
- Communicated issues and requirements with software leads, developers and clients.

Projects

Stereotypical Robustness in Modern LLMs

A research project analysing the robustness of Large Language Models (LLMs) to stereotypical bias.

Python

LLMs

Responsible AI

🔗 Stereotypical-Robustness-in-Modern-LLMs

coderpal.dev

A website to find partners for coding projects.

TypeScript

Next.js

Tailwind

🔗 coderpal.dev

Food Product Scanner App

An app allowing the user to scan a food product's barcode to gain nutritional insights about the product, using the Open Food Facts API.

JavaScript

React Native

🔗 Food-Product-Scanner-App

Armenian Dialect Detector

Trained different ML models to determine whether texts correspond to Eastern or Western Armenian with great performance.

Python

NLP

scikit-learn

🔗 Armenian-Dialect-Detector

Scholarships and Awards

Mitacs Outstanding Innovation Award Nomination (2024)

Chemia Discovery

Nominated for the Mitacs Outstanding Innovation Award by Chemia Discovery for bringing advancements in the company.

Jirayr and Houry Zakarian Scholarship (2023)

Armenian Relief Society

Received a merit scholarship of \$1000 for scholastic achievement and community involvement.

Faculty of Science Graduate Supplement Award (2023)

McGill University

Received an entrance scholarship of \$1750 for an application dossier of exceptional caliber.

Québec Perspective Scholarship (2022-2023)

Ministry of Education of Québec

Received merit scholarships of \$2500 per successful semester.