

Master's student 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 • Redmine • Wiki • Jupyter

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

## Education

Master of Science in Computer Science (Non-Thesis)

**McGill University**

📅 Aug. 2023 – May 2025 (Expected)

📍 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 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.
- Communicate with and support dozens of dealerships, gathering requirements to tailor chatbot behavior 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.

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## 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.
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## 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.
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## Projects

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### 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

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### coderpal.dev

A website to find partners for coding projects.

TypeScript

Next.js

Tailwind

🔄 coderpal.dev

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### 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

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### 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

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## Scholarships and Awards

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### Mitacs Outstanding Innovation Award Nomination (2024)

#### Chemia Discovery

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

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### 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.

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### Québec Perspective Scholarship (2022-2023)

#### Ministry of Education of Québec

Received merit scholarships of \$2500 per successful semester.