

Andrey Ambartsumov

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EDUCATION

McGill University - Bachelor of Science
Honours Mathematics and Computer Science

Montreal, QC

GPA: 3.85

Expected Graduation Spring 2027

Relevant Coursework : Applied Machine Learning, Algorithm Design, Analysis

John Abbott College - DEC in Science

Ste Anne de Bellevue, QC

R-Score of 34.2

Fall 2022 - Spring 2024

EXPERIENCE

TD Insurance

Montreal, QC - Hybrid

Actuary Intern - Residential Pricing Analytics

May 2025 - Aug 2025

- Data analysis with **Python** and **SQL** through **Databricks**
- Created an automated **data pipeline** to generate **Univariate Analysis** reports with **Python** and **VBA**
- Analyzed policies to ensure adequate pricing of the book

Blinkay Mobility - Self Employed Contract

Montreal, QC - Remote

Support Level 1 team leader (North-American branch)

Jan 2022 - Aug 2024

- Wrote documentation to **minimize training by over 50 hours per employee**
- Saved the company up to **5,000\$ per month** by finding internal bugs in the system
- **Managed a team** of up to 3 people

John Abbott College

Montreal, QC

Research project in Cryptography (Under the supervision of Professor Takei)

Jan 2024 - Jul 2024

- Implemented **factorization algorithms** in **R** and **Python**
- Performed data analysis with **Pandas**
- Gave talk during a seminar in front of **60+ individuals**

PROJECTS

SAVMO - [Source Code](#) - [Hackathon Submission](#)

- **Won the MAIS Hacks** Hackathon in the Best Hack for Impact Category
- Fine-Tuned a ResNet CNN model to detect car crashes based on dashcam footage

DegreeViz - [Project link](#) - [Source Code](#)

- Hosting **over 500 monthly users**
- Personalized curriculum maker using the **Gemini API** and **Web scraping** McGill's site

What2Watch - [Source Code](#)

- Trained a **machine learning SVD model** trained on 32 million data points to recommend movies
- Stored and user information securely with a **SQL database**

CERTIFICATIONS

McGill's Machine Learning Bootcamp - MAIS202

Dec 2024

McGill AI Society

- Implementation of Machine Learning Algorithms from scratch

ADDITIONAL

Languages: Fluent in French, English and Russian

Skills: Machine Learning, Problem Solving, Mathematics, Python, SQL, Excel, Critical Thinking, Git, CI/CD