

# Andrey Ambartsumov

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## EDUCATION

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McGill University - Bachelor of Science  
Honours Statistics and Computer Science

Montreal, QC  
May 2027

GPA: 3.88

Relevant Coursework : Applied Machine Learning, Database Systems, Network Science, Algorithm Design

## EXPERIENCE

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### Research Intern in Artificial Intelligence

Complex Data Lab (Mila) - under Prof. Rabbany

Montreal, QC

Jan 2026 - Apr 2026

- Building a continually updating dataset for diffusion based images
- Developed a scraping pipeline using **BeautifulSoup** to detect new txt2img models
- Built a distributed pipeline to spread the load on **several GPUs**

### Actuarial Intern - Analytics

TD Insurance - Residential Pricing Analytics

Montreal, QC

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 using **Excel** and **Pandas** (Python)

### Support Team Leader

Blinkay Mobility (North-American branch)

Montreal, QC

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 5 people

## PROJECTS

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

- Packaged the project in a **Docker** container for future deployment
- **Fine-Tuned** a ResNet-18 model and packaged it with **ONNX**
- Implemented **multi-processing** to handle **concurrent streams of live detection**
- **Won the McGill AI Hackathon** in the Best Hack for Impact Category

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

- Hosting **over 500 monthly users** at launch
- Hosting **PRE** and **PROD** environments
- Using **Github Actions** to host a **CI/CD** pipeline

### What2Watch - [Source Code](#)

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

## CERTIFICATIONS

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### McGill's Machine Learning Bootcamp - MAIS202

McGill AI Society

- Implementation of Machine Learning Algorithms from scratch

## ADDITIONAL

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**Languages:** Fluent in French, English and Russian

**Skills:** Deep Learning, Graph Learning, PyTorch, TensorFlow, Python, Numpy, Transformers, Docker, SQL, Excel, Git, CI/CD, Pandas, Matplotlib, SQL, AWS, MLOps, DevOps, Java, JavaScript, R, OCaml, NLP, LLM, RAG, Web Scraping, Web Crawling