

# ANTHONY MICELI

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As a final-year double-degree student at Polytechnique Montréal, I am seeking a 4 to 6-month internship starting in May 2026 in the field of data science. I leverage my skills to solve complex challenges with perseverance and adaptability.

## Experience

### Software Advisor

PolyFinances, Polytechnique Montreal

Montreal, Canada

May 2025 – May 2026

- **Organized and coordinated** the 2025 interuniversity competition on AI applied to finance, in partnership with **La Caisse** and **Amazon AWS**, bringing together **over 200 students** and helping foster innovation.
- Will work on the **quantitative aspect** by **improving internal applications**, including the portfolio management tool overseeing more than **\$120,000 in assets**, and by **integrating AI-driven tools** to enhance decision-making.
- Will be involved in a **FinTech mission in Singapore and Hong Kong** to examine how **digitalization** is transforming **financial markets**, compare **Asian and North American ecosystems**, and take part in **expert sessions** and **networking opportunities**.

### Data Analyst

Vinci, Cegelec Space

Kourou, French Guiana

April 2024 – September 2024

- Developed a **Power BI dashboard** connected to an Access database, enabling real-time tracking of over **100 technical projects** for **CNES** and **Arianespace**, including key performance indicators (KPIs).
- Automated quarterly reports entirely using VBA, **reducing update time by over 50%** and minimizing errors in reporting.

## Education

### Polytechnique Montreal

Dual Degree in Computer Engineering, specialization in Finance and Technology

Montreal, Canada

2024 – 2026

- **Coursework (GPA:4.0/4.0):** Machine Learning, AI, Data Mining and Visualization, Recommender Systems, Computer Vision.
- **Upcoming courses:** NLP, Reinforcement Learning, Swarm Intelligence, Financial and Technological Analysis.

### Mines-Télécom Lille Douai (IMT Nord Europe)

Common core in general engineering and specialization in Computer Science

Lille, France

2022 – 2024

### Preparatory Classes for Engineering Schools - MPSI/PSI

Intensive program in Mathematics, Physics, and Engineering Sciences

Antony, France

2019 – 2022

## Projects & Awards

### UdeM Datathon (Best use of AI)

[github.com/anthropy/UdeM\\_Hack](https://github.com/anthropy/UdeM_Hack) ↗

- Developed an AI meal planner that **detects** ingredients using **YOLOv11** and recommends recipes. Built with **Streamlit** and **SQLite** to **track** nutrition and **generate** personalized meal plans.

### PolyFinances Datathon (1st Place)

[github.com/anthropy/Hackathon2k24](https://github.com/anthropy/Hackathon2k24) ↗

- **Development of a generative AI platform** in 48 hours, integrating **Amazon Comprehend** for sentiment analysis and **Bedrock** for analysis summarization. Solution awarded for its relevance and innovation by **National Bank of Canada and Amazon AWS**, designed to automate tasks and provide insights for analysts.

### GreenHack IT Datathon (1st Place)

March 2024

- **Optimization of the Ariane 6 supply chain** using optimization algorithms during a **4-day hackathon**. Development of a practical application, led in collaboration with an **international team of 6 members**, which received **recognition from ArianeGroup and the Franco-German Academy**.

## Technical skills

**Programming & Languages:** Python, SQL, Java, R, Dart, LaTeX, HTML, CSS, JavaScript, DAX

**Libraries & Tools:** TensorFlow, PyTorch, Keras, scikit-learn, SciPy, NumPy, pandas, Matplotlib, Seaborn, Plotly

**Databases & Cloud :** AWS, Firebase, SQLite, PostgreSQL, MySQL

**Tools & Frameworks:** Streamlit, FastAPI, Git, MiniZinc, Flutter

## Additional

**Languages:** French (native), English (TOEIC 880), Spanish (DELE B1), Italian (intermediate)

**Interests:** Photography (Co-founder : 4Frame ↗), Traveling, Running, Tennis