

# Alexis Brissard

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## EDUCATION

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### École Polytechnique de Montréal

*Master's Degree in Computer Science*

Montréal, Québec

Aug. 2023 – Present

- **Thesis Topic:** Leveraging LLMs to Extract Process Models from Text
- **Advisors:** Prof. Amal Zouaq, Prof. Frédéric Cuppens
- **GPA:** 4.0 / 4.0

### Institut National des Sciences Appliquées

*Engineering Degree in Computer Science*

Lyon, France

Aug. 2018 – Aug. 2023

## EXPERIENCE

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### NLP & Cybersecurity Research Scientist

*LAMA-WeST, LabCys & Mila (Québec AI Institute)*

Jan. 2024 – Present

Montréal, Canada

- Multi-stage Information Extraction in a low resource domain
- Development and evaluation of advanced prompting techniques (e.g., Prompt-chaining, Self-Ask, ToT, GoT)
- Business process modeling for insider threat detection

### Cybersecurity Consultant

*Lyvoc*

Sep. 2022 – Feb. 2023

Lyon, France

- Integration of Okta identity management software for 3 clients (5000 to 10000 employee identities)
- Development of 2 SCIM web servers (Tomcat + Java) and a custom OIDC web app (Vaadin + NodeJS)
- Design of a complete architecture for the validation of contractual documents (SharePoint + Vaadin)
- Technical monitoring and presentation of new technologies to the team (20+ employees)

### Web Design and Development Engineer

*Dassault Systems*

Jun. 2022 – Aug. 2022

Paris, France

- Design and development of a web app for visualizing temporal data (d3.js, pixi.js, mapbox)
- Modeling and creation of a React web app for publishing data to Dassault Systems software
- Development of a custom tool for online image scraping (Flask + Selenium)

## TEACHING

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**INF8225 - Artificial Intelligence: Probabilistic and Learning Techniques** | *Teaching Assistant* Winter 2025

## CERTIFICATES

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**Trustworthy and Responsible AI Learning (TRAIL)**

Oct. 2024

**Okta Administrator**

Jan. 2023

**Okta Developer**

Jan. 2023

## SELECTED SERVICE

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**Mila's Sustainability Committee**

Oct. 2024 – Present

- Organized event to raise awareness about climate change
- Designed committee's logo and posters

**Mila's Social Committee**

Oct. 2024 – Present

- Organized social events to bring Mila's community together
- Synchronized the different event teams (20 members)

**Polytechnique's Sustainability Committee**

Sep. 2024 – Present

- Organized regular workshops with invited speakers
- Redesigned committee's website

**Harms and Risks of AI in the Military Workshop**

Dec. 2024