

EDUCATION

- **McGill University/Mila** Montreal, QC
PhD in Computer Science *Aug 2023 - Aug 2027*
Under the supervision of professor Golnoosh Farnadi
- **HEC Montreal/Mila** Montreal, QC
Master of Science in Business Intelligence; GPA: 4.07/4.3 *Aug 2020 - Aug 2022*
Under the supervision of professors Golnoosh Farnadi and Gilles Caporossi
- **HEC Montreal** Montreal, QC
DESS in Information Technologies; GPA: 3.99/4.3 *Aug 2019 - Aug 2020*
- **University of Montreal** Montreal, QC
Certificate in Applied Computer Science *Jan 2017 - Dec 2017*
- **HEC Montreal** Montreal, QC
Bachelor of Administration *Aug 2011 - Dec 2015*

SKILLS SUMMARY

- **Programming Languages** Python, R, SQL, SAS
- **Languages** French, English, Arabic, Spanish

EXPERIENCE

- **Mila - Quebec AI Institute** Montreal, QC
Research Intern *Jan 2023 - June 2023*
 - **Project:** Worked on bias mitigation and privacy in sparse language models under professor Golnoosh Farnadi.
- **Statistics Canada** Montreal, QC
Data Scientist *Sep 2022 - Jan 2023*
 - **Position:** Work in the *Methods, Quality and Research* section in responsible AI
 - **Project:** Developed a course on bias and fairness in machine learning
- **IBM x Ivado** Montreal, QC
Research Assistant *Oct 2021 - Apr 2022*
 - **Project:** Towards Discovering and Understanding how to improve the representation of women in STEM: A case study from IBM Inventorship and Patenting
 - **Description:** Literature review and predictive modeling to understand inclusion issues in IBM's patents activities
- **La Presse x Ivado** Montreal, QC
Data Journalist Intern *May 2021 - Sep 2021*
 - **Text Analysis:** Scrapping, topic modeling, sentiment analysis, clustering, predictive modeling
 - **Writing:** Published 9 articles on La Presse's official website, 3 of them were front-page articles
- **Canadians for Justice and Peace in the Middle East** Montreal, QC
IT Manager *Jan 2016 - Dec 2021*
 - Managed IT bugs, transfer of data, and design improvement projects.
 - Implemented the new website on the NationBuilder platform
 - Created practical tools and tutorials for management and accounting software

RESEARCH PROJECTS

- **Early Detection of Sexual Predators with Federated Learning.** Chehbouni, K., Caporossi, G., Rabbany, R., De Cock, M., Farnadi, G., In: Workshop on Federated Learning: Recent Advances and New Challenges (in Conjunction with NeurIPS 2022).
- **AI and Cities: Risks, Applications and Governance.** Koseki, S., Jameson, S., Farnadi, G. et al., In: 4th Urban Economy Forum Conference 2022
- **Leveraging AI for Natural Disaster Management: Takeaways From The Moroccan Earthquake.** Ezzine, L., Bengio Y., Atanane, A. et al., Submitted to: 6th Workshop on Artificial Intelligence for Humanitarian Assistance and Disaster Response NeurIPS 2023.
- **Unmasking Predators: Safeguarding Vulnerable Moroccan Communities Post-Earthquake.** Taïk, A., Chehbouni, K., Jain, K., Akinfaderin, A., Bouzoubaa, K., Farnadi, G., Tazi, N., Submitted to: North Africans in Machine Learning Workshop at NeurIPS 2023.

- **The Effect of the Typicality of Song Lyrics on Song Popularity: A Natural Language Processing Analysis of the British Top Singles Chart.** Chehbouni*, K., Carichon*, F., Simonnot-Lanciaux, A., Caporossi, G., Dantas, D. C., Forthcoming
- **Enhancing Privacy in Early Detection of Online Grooming Through Federated Learning and Differential Privacy** Chehbouni, K., De Cock, M., Caporossi, G., Rabbany, R., Farnadi, G., Forthcoming
- **The Impact of Sparsity on Fairness and Privacy in BERT.** Chehbouni*, K., Maratkhan, A., De Cock, M., Farnadi, G., Forthcoming
- **Systematic Hazard Taxonomy Along the AI Lifecycle.** Chehbouni*, K., et al., Forthcoming

AWARDS AND SCHOLARSHIP

- Winner of the Morocco Solidarity Hackathon 2023
Our project “Unmasking Predators: Safeguarding Vulnerable Moroccan Communities Post-Earthquake” won the Morocco Solidarity Hackathon.
- HEC Montreal’s 2022 Best Thesis Award
My thesis “Mitigating Online Grooming with Federated Learning” won the 2022 Best Thesis Award at HEC Montreal.
- Women in Machine Learning Travel Grant
I was awarded 650\$US to present my Masters work at the Women in Machine Learning Workshop at NeurIPS 2022.
- IVADO Excellency scholarship “Data Storytelling”
I was awarded one of IVADO’s internship scholarship to conduct an internship at La Presse in data storytelling.

COMMUNITY SERVICE

- **Canada’s New Democrats (NDP) Association** Montreal, QC
Financial Agent 2019 - 2020
 - Managed the financial operations of candidate Miranda’s Gallo campaign in the district of Saint-Laurent.
 - Reported financial results to Elections Canada.
- **Center of Development of the Tensift Region (CDRT)** Marrakesh, Morocco
Volunteer 2018
 - Helped with the organization and with communications for the Young African Leaders Seminar.
- **Diocese of Montreal** Montreal, QC
Volunteer 2017
 - Managed communications with sponsors for the Syrian refugee program and helped fill out applications.