

NADINE EL-MUFTI

Canadian Citizen, residing in 📍 Montreal, QC

📞 (514) 802-3932 | ✉️ | 🌐 | 🌐 | 🌐 |

WORK EXPERIENCE

The Centre of Excellence in Youth Mental Health, Douglas Research Centre, McGill Montreal, QC
Graduate Research Assistant Jun 2025 – Present

- Driving speech-based relapse prediction research in schizophrenia (MOTS+) by coordinating multisite data collection using REDCap workflows, and powering the Québec Speech Bank by engineering pipelines to clean, align, and structure longitudinal speech data across diverse studies. This work enables multimodal insights into voice, symptoms, and cognition, paving the way for more predictive, compassionate mental health care.

Applied Perception Lab, Concordia Montreal, QC
Graduate Research Assistant Dec 2024 – Present

- Conducting research at the intersection of AI, ethics, and EDI, developing frameworks to address societal challenges and promote responsible healthcare technology.

Mila - Quebec AI Institute Montreal, QC
Collaborating Researcher Oct 2024 – Present

- Conducting novel research in Medical Machine Learning to facilitate early disease detection through speech analysis.

Concordia University Montreal, QC
Teaching Assistant Jan 2025 – April 2025

- Achieving consistent and fair grading for Concordia's Machine Learning course 'Comp 432' by marking labs, delivering prompt feedback, and addressing inquiries from 110 students.

Climate Change AI Summer Program Montreal, QC
Participant Jun 2024 – Aug 2024

- Participated in an AI for Climate Change program leveraging Machine Learning as a key driver of innovation alongside policy to strengthen environmental strategies and combat climate change across different sectors.

Applied Perception Lab Montreal, QC
NSERC USRA Research Assistant May 2022 – Aug 2022

- Co-authored a conference paper for Medical Image Computing and Computer Assisted Intervention (MICCAI) 2022's Ethical and Philosophical Issues in Medical Imaging (EPIMI) workshop, presenting a comprehensive User-Centered Design approach to identify and address Ventriculostomy surgeons' workflow challenges, to improve surgical efficiency.

PUBLISHED & ON-GOING RESEARCH

[User-Centered Design for Surgical Innovations: A Ventriculostomy Case Study](#)

Lecture Notes in Computer Science — Volume 13755 · Dec 20, 2022

[Beyond the Scalpel: Envisioning the Societal and Ethical Dimensions of Future Surgical Technologies](#) (In Revision)

[Enhancing Speech-Based Parkinson's Detection with Celebs4PD: A Corpus of Natural, In-the-Wild, Longitudinal Celebrity Speech](#) *(In Preparation)*

LEADERSHIP & COMMUNITY ENGAGEMENT

Member Concordia Council on Student Life Subcommittee Concordia University	Montreal, Quebec Jan 2025 – April 2025
Mentee GEMinAI Program Concordia University's Applied AI Institute	Montreal, Quebec Oct 2024 – April 2025
Ambassador School of Graduate Studies Concordia University	Montreal, Quebec Sep 2024 – Present

EDUCATION

Master of Computer Science Computer Science <i>Concordia University / Mila - Quebec AI Institute</i>	Montreal, Quebec Jan 2025 – Present
Bachelor of Engineering Software Engineering GPA (3.67) With Distinction <i>Concordia University</i>	Montreal, Quebec Jan 2019 – May 2024

LICENSES & CERTIFICATIONS

<u>Quebec Scientific Entrepreneurship Program (QcSE)</u> Issued by V1 Studio	Jun 2025
<u>Strategic Public Communications Training</u> Issued by GradProSkills (Concordia University)	Mar 2025
<u>TRAIL Research Trustworthy and Responsible AI Learning Certificate</u> Issued by Mila - Quebec Artificial Intelligence	Mar 2025
<u>TCPS 2: CORE 2022 Certification</u> Issued by the Government of Canada	Jan 2025
<u>Tech Stewardship Certification</u> Issued by the Tech Stewardship Network	Jul 2024

HONORS & AWARDS

FRQNT B1X Award Competition – 92/100, Ranked 9th (Funding Cutoff: 8) Issued by the Fonds de recherche du Québec	Apr 2025
NSERC CGS-M Award Issued by the Natural Sciences and Engineering Research Council of Canada	Apr 2024
NSERC Undergraduate Student Research Award (USRA) Issued by the Natural Sciences and Engineering Research Council of Canada	May 2022
Bourses d'Excellence for Engineering Scholarship Issued by the Quebec Ministry of Education	Jun 2022