

# NADINE EL-MUFTI

Canadian Citizen, residing in 📍 Montreal, QC

📞 (514) 802-3932 | ✉️ | 🌐 | 🌐 | 🌐 |

## WORK EXPERIENCE

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**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, engineering REDCap workflows, and advancing the Québec Speech Bank through structured data integration and multimodal analysis linking language, symptoms, and cognition.

**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

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[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: The Celebs4PD Corpus](#) (In Preparation)

## LEADERSHIP & COMMUNITY ENGAGEMENT

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

## EDUCATION

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

## LICENSES & CERTIFICATIONS

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

## HONORS & AWARDS

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