NADINE EL-MUFTI

Canadian Citizen, residing in ⚲ Montreal, QC
📱 (514) 802-3932 | M | 🐙 | 🔗 |

WORK EXPERIENCE

Concordia University   Montreal, Quebec
Teaching Assistant   Jan 2025 – Present

- 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.

Applied Perception Lab   Montreal, Quebec
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, Quebec
Collaborating Researcher   Oct 2024 – Present

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

Climate Change AI Summer Program   Montreal, Quebec
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.

UX/UI Designer and Web Developer   Remote
Freelance   Jan 2024 – Sep 2024

- Enhanced user engagement by creating visually stunning and highly functional user interfaces that balance beauty and usability.
- Translated business objectives into intuitive, user-centered design solutions through close collaboration with over 10 stakeholders.

Applied Perception Lab   Montreal, Quebec
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.

Zero Waste Concordia   Montreal, Quebec
Zero Waste Concordia Assistant   Jan 2022 – Apr 2022

- Played a pivotal role in advancing Concordia's Zero Waste plan by supporting the implementation of waste reduction initiatives across campuses, including new recycling procedures and educational programs, with the goal of achieving 90% landfill diversion and 50% total waste reduction by 2040.

SKILLS

HTML · CSS · JavaScript · React.js · SQL · Python (scikit-learn, TensorFlow, Keras, PyTorch) · Machine Learning (Supervised & Unsupervised Learning) · Statistical Analysis & Data Visualization (Matplotlib, Seaborn) · Exploratory Data Analysis (EDA) · Data Preprocessing & Feature Engineering · Model Development & Evaluation · Flask · Streamlit · Microsoft Power BI · Tableau · Docker · Microsoft Office Suite · UX/UI Interaction Design · Graphic Design · Adobe Creative Suite · Tech Stewardship

LEADERSHIP & COMMUNITY ENGAGEMENT

Ambassador   Montreal, Quebec
School of Graduate Studies | Concordia University   Sep 2024 – Present

Mentee   Montreal, Quebec
GEMinAI Program | Applied AI Institute   Oct 2024 – Present

EDUCATION

Bachelor of Engineering | Software Engineering   Montreal, Quebec
GPA (3.67) | With Distinction   Jan 2019 – May 2024
Concordia University

LICENSES & CERTIFICATIONS

[Tech Stewardship Certification](#)   Jul 2024
Issued by Tech Stewardship Network

PUBLICATIONS

[User-Centered Design for Surgical Innovations: A Ventriculostomy Case Study](#)
Lecture Notes in Computer Science — Volume 13755 · Dec 20, 2022

HONORS & AWARDS

NSERC CGS M Award   Apr 2024
Issued by Natural Sciences and Engineering Research Council of Canada

NSERC Undergraduate Student Research Award (USRA)   May 2022
Issued by Natural Sciences and Engineering Research Council of Canada

Bourses d'Excellence for Engineering Scholarship   Jun 2022
Issued by Quebec Ministry of Education