

Mohammad Umer

umer_1976@hotmail.com ❖ (438) 505-7805 ❖ Montréal, QC

WORK EXPERIENCE

Ranger Design

Jan. 2023 – Sept. 2023

Engineering Intern (New Product Development)

Baie-d'Urfé, QC

- Responsible for any physical testing of standard / custom products w.r.t. ISO / NTEA standards; creation of cycle testing / impact jigs; upfitting of vehicles for trade shows
- Creation and maintenance of product CAD and EPICOR
- Creation of install guides and user manuals for standard parts
- Design of a new e-floor for a GMC Savanna
- Co-ordinating weekly meetings with part suppliers in Turkey

Neptronic

Sept. 2021 – Dec. 2021

Quality Assurance Intern

Saint-Laurent, QC

- Create First Piece Inspection Reports for incoming mechanical, electrical and sheet metal components
- Ensure the implementation of ISO 9001 Standard and participated in external and internal audits
- Prepare documentation for inter-departmental processes and establish monthly KPIs

Avantis Packaging Inc.

Jan. 2020 – Present

Packer / Floor-man (Part Time)

Pointe-Claire, QC

- Assist floorman in moving pallets and keeping floor organised and tidy
- Make sure each machine has ample labels and shipping papers
- Wrapping up completed pallets and organising them for shipping

EDUCATION

Concordia University

Winter 2025

BEng, Mechanical Engineering

Montréal, QC

- Dean's List 2021 and 2022; 4.08/4.3 CGPA

CLUBS

Nanostride (Project Cody)

Dec. 2022-Present

Design Team (Mechanical)

Montréal, QC

- Revamped head design to a fully 3D printable modular design
- Redesigned Cody's shell to be 3D printable and to pick up main extrusion
- Design of the 3 DOF neck mechanism; slew bearing actuator (stepper drive) for rotation about main extrusion; design of servo plate to aid in remaining 2 DOF and place Cody's head; sourcing of gas springs for smoothening neck motion
- Finishing and painting of all external aesthetic components

Concordia Esports

Jan. 2022 - Jan. 2023

Valorant Team 2 Member

Montréal, QC

- CVAL Winter 2022
- UdeM Intramural Cup 2022