**Walid Latif** | Toronto, ON • wlatif@torontomu.ca • 289-992-9443

## EXPERIENCE & LEADERSHIP

**Robotics & Math Clubs**

- Actively engaged in team-based projects, applying analytical reasoning and technical problem-solving to competitions and challenges.
- Contributed to various discussions on design, coding, and strategy, strengthening interest in robotics and engineering fundamentals

**DECA - Regional Participant**

- Represented school in competitive business/entrepreneurship events, developing strong public speaking, presentation, and persuasive communication skills.
- Applied strategic thinking and problem-solving in team settings, refining abilities to collaborate and present ideas clearly under pressure.

## EDUCATION

- **Toronto Metropolitan University** - B.eng, Mechatronics Engineering
- **Donald A. Wilson SS** - Graduated with 4x Honour Roll, 90%+ admission average

## PERSONAL PROJECTS

- Very basic pulley system utilizing entry-level kinematics. Created CAD and Autodesk Inventor models of pulley system and masses
- Schematic design and CAD modeling of a mechanical arm system with precision control and advanced kinematics. Implemented inverse kinematics algorithms for optimal positioning
- Designed and prototyped automated systems for industrial applications with focus on sensor integration, control logic, and human-machine interface development

## TECH STACK

- Engineering: CAD Design, 3D Modeling, Mechanical Design, Robotics, Control Systems, Kinematics
- Software: SolidWorks, AutoCAD, MATLAB, Python, C++, Simulink
- Web Development: HTML5, CSS3, JavaScript (ES6+), React.js, Tailwind CSS

## SKILLS

- Time management & Organization
- Communication, Team Collaboration & Presentation
- Problem-Solving & Analytical Thinking
- Leadership & Mentorship