

# Talha Rana

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<https://github.com/talharana98>

Education	<b>McMaster University</b> B.Eng. in Electrical Engineering & Society (Year 4) Minor in Business	<b>Hamilton, ON</b> Class of 2022
	<b>Orchard Park Secondary School</b> High School Diploma	<b>Stoney Creek, ON</b> Sept, 2012-2016
Experience	<b>Technical Design Intern</b> Toronto, ON	<b>Toronto Hydro</b> January 2020 – August 2020
	<ul style="list-style-type: none"><li>Created and modified electrical and civil station design drawing using MicroStation</li><li>Handled job orders and billings valued over 250 thousand dollars for senior designers using SAP</li><li>Interacted with customers with high/low voltage requests and communicated with construction teams, engineers and city officials to complete customer demands</li><li>Extracted project data to analyze trends in Excel to ensure targets are being met/exceeded</li></ul>	
	<b>Operations Manager Intern</b> Ingersoll, ON	<b>General Motors</b> May 2019 – December 2019
Projects	<ul style="list-style-type: none"><li>Supervised a team of thirty-six hourly employees in a unionized environment exceeding safety, quality and throughput standards</li><li>Addressed downtime and bottlenecking issues using kaizen principals through problem solving initiatives such as job reconstruction &amp; daily interactions with quality and engineering teams</li><li>Worked with Allen Bradley PLC programming &amp; trouble shot Fanuc robots</li><li>Acquired BIQ IV certification by meeting quality levels and preparing necessary paperwork, training, torque/environment audits</li></ul>	
	<b>Marketing Manager</b> Hamilton, ON	<b>Prep101</b> September 2018 – May 2019
	<ul style="list-style-type: none"><li>Hired and supervised a team of marketers to promote PREP101 amongst students on campus and online</li><li>Created and managed events, posters, promo booths, announcements, social media promotions to sell services</li><li>Exceeded allotted targets for both school terms gaining more customers than previous years and surpassing monetary targets</li></ul>	
Skills	<b>Angle Measurement - Esduino</b> McMaster University	April 2019
	<ul style="list-style-type: none"><li>Implemented the main concept of Analog-to-Digital Conversion (ADC) to acquire an input analog signal and output it digitally to a computer using an accelerometer</li><li>Developed an EsduinoXtreme program which analyzed the data, processed it, and transmitted the data into a digital value which was digitally processed and communicated serially</li><li>Graphically plotted the communicated signal using MATLAB and outputted the angle inclination using LEDs on breadboard</li></ul>	
	<b>Prosthetic Hand Design</b> McMaster University	April 2016
Skills	<ul style="list-style-type: none"><li>Given the task of designing and creating a functioning prosthetic hand.</li><li>Lead a team of 4 to design and simulate the prosthetic hand using Autodesk Inventor.</li><li>Calculating gear ratios and considering projects constraints/objectives, 3D printed a functioning model of a prosthetic hand capable of moving its index finger and thumb.</li></ul>	
	Python, Java, C/C++, MATLAB, AutoCAD, MicroStation, Microsoft Suite (Excel, Word, PowerPoint), Allen Bradley PLC programming, Microcontroller programming using C, 3D printing, HTML, CSS, JAVASCRIPT, SQL, React	