

Talha Rana

Email: Ranam10@mcmaster.ca | Cell: (289) 684-2909 | Electrical Engineer

www.linkedin.com/in/talharana98 | 214 Gray Rd, | Hamilton, ON

Education	McMaster University B.Eng. in Electrical Engineering & Society (Year 4) Minor in Business	Hamilton, ON Class of 2021
	Orchard Park Secondary School High School Diploma	Stoney Creek, ON Sept, 2012-2016
Experience	Technical Design Intern Toronto, ON	Toronto Hydro January 2020 – August 2020
	<ul style="list-style-type: none">Created and modified electrical and civil station design drawing using MicroStationHandled job orders and billings valued over 250 thousand dollars for senior designers using SAPInteracted with customers with high/low voltage requests and communicated with construction teams, engineers and city officials to complete customer demandsExtracted project data to analyze trends in Excel to ensure targets are being met/exceeded	
	Operations Manager Intern Ingersoll, ON	General Motors May 2019 – December 2019
	<ul style="list-style-type: none">Supervised a team of thirty-six hourly employees in a unionized environment exceeding safety, quality and throughput standardsAddressed downtime and bottlenecking issues using kaizen principals through problem solving initiatives such as job reconstruction & daily interactions with quality and engineering teamsWorked with Allen Bradley PLC programming & trouble shot Fanuc robotsAcquired BIQ IV certification by meeting quality levels and preparing necessary paperwork, training, torque/environment audits	
Projects	Marketing Manager Hamilton, ON	Prep101 September 2018 – May 2019
	<ul style="list-style-type: none">Hired and supervised a team of marketers to promote PREP101 amongst students on campus and onlineCreated and managed events, posters, promo booths, announcements, social media promotions to sell servicesExceeded allotted targets for both school terms gaining more customers than previous years and surpassing monetary targets	
	Angle Measurement - Esduino McMaster University	April 2019
	<ul style="list-style-type: none">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 accelerometerDeveloped an EsduinoXtreme program which analyzed the data, processed it, and transmitted the data into a digital value which was digitally processed and communicated seriallyGraphically plotted the communicated signal using MATLAB and outputted the angle inclination using LEDs on breadboard	
	Prosthetic Hand Design McMaster University	April 2016
	<ul style="list-style-type: none">Given the task of designing and creating a functioning prosthetic hand.Lead a team of 4 to design and simulate the prosthetic hand using Autodesk Inventor.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.	
Skills	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	