647-745-0762
haris.shahid@ryerson.ca

HARIS SHAHID

EDUCATION

BACHELOR OF ENGINEERING, MECHANICAL [MECHATRONICS] **APR 2019**
CLASS OF 2019, RYERSON UNIVERSITY | TORONTO

SUMMARY OF SKILLS

- Skilled in effective verbal and written communication, working individually and in a team environment.
- Strong interpersonal skills and proven to be a self-starter for taking initiative in multiple individual and team projects.
- Sound organizational, analytical and leadership skills gained from leading positions at previous jobs.
- Excellent problem solving, interpersonal skills, and the ability to make decisions for efficient results
- Strong technical insights to grasp technical concepts, with attention to detail.

TECHNICAL SKILLS

- Engineering Design and Analysis: SolidWorks, AutoCAD, Revit, MATLAB, Simulink
- Extensive knowledge of Microsoft Office (Microsoft Word, Excel, Powerpoint, Visio) and Google Documents with a strong computer background
- Programming: Arduino, C, C++, Fortran
- Experienced in Geographic Information System (GIS) and Adobe Software (Photoshop, Illustrator)

PROFESSIONAL EXPERIENCE

INVENTORY TRANSFER ANALYST **APR 2018 - JAN 2019**
CELESTICA INTERNATIONAL INC. | TORONTO

- Received SMT (Surface Mount Technology) and back-end parts, and configured SAP for labeling and efficient storage along with updating files of SMT parts for tape and reel for further assembly
- Administer day to day handling procedures of part location for continued production
- Prepared, stocked, counted and distributed parts/materials
- Counted components on the XRH Count using Xplus++ Count
- Supported on a Material Transfer Project as an Engineering Assistant

CAPSTONE PROJECT **JAN - APR 2019**
RYERSON UNIVERSITY | TORONTO

- Designed a tornadic-wind-resistant wall using CFD Analysis
- Optimized the program of a tornado hitting a wall, written in Fortran, to determine the optimal thickness of the wall
- Used MobaXterm to run the program in a remote Linux server
- Through Techplot created a "heat-signature" graph of the computational domain
- Analyzed using polynomial regression on the results (forces) of the various cases to find the optimal thickness

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MICROPROCESSORS FINAL PROJECT **MAR - APR 2017**
RYERSON UNIVERSITY | TORONTO

- Worked in a team of 3 to program a self-driving car which can follow a black tape using line following sensors and solves the maze using the distance sensors.
- Recorded the sensor readings at different distances
- Developed an algorithm to follow the tape to solve the maze, and stopped at the designated parking location
- Optimized the code to reduce errors and ensure the car follows and solves the maze with ease and was coded in C to run on the Arduino chip on the autonomous car

COMPUTER ADMINISTRATIVE ASSISTANT **JUL - AUG 2012**
URBAN TRAFFIC CONTROL SYSTEMS | CITY OF TORONTO

- Updated the beacons database using software, including GIS to allow for efficient records retrieval
- Scanned and filed documents to computerize data for faster future reclamation
- Communicated with customers over the phone for general inquires and resolving issues
- Updated and prepared timing cards for pedestrian crossovers

COMMUNITY EXPERIENCE

TEAM LEADER **2018**
DIY COMPOSITE DESIGN CHALLENGE | RYERSON UNIVERSITY

- A composite was manufactured using plaster and a number of unconventional reinforcement materials
- Achieved composite load of 579.1 N in a 3-point-bending test

CAMPUS TOUR GUIDE **2018**
RYERSON UNIVERSITY | TORONTO

- Provided prospective students and parents insight of programs and campus life
- Promoted Ryerson University's brand image

CERTIFICATION & SECURITY CLEARANCE

Certified IPC-A-610 Specialist	MAY 2018
Control Goods Program (CGP)	APR 2018
Emergency First Aid Training	JUL 2017
CPR C	JUL 2017

PROFESSIONAL ORGANIZATIONS

- Ontario Professional Society of Engineers
- Society of Tribologists and Lubrication Engineers