# Omar Elemary

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## HIGHLIGHTS OF QUALIFICATIONS

- Exceptional communication, interpersonal and organizational skills developed through work experiences and projects.
- Experienced with algorithms, data structures, design principles, software testing, and object-oriented programming.
- Completing courses in electronic instrumentation, dynamic control systems, and MATLAB.
- Knowledgeable with computer architecture and embedded system design through programming ARM microcontroller.
- Experienced with Python, C, Java; Knowledgeable in C++, ASSEMBLY, SQL, HTML, JavaScript.

## EDUCATION

**Bachelor of Engineering | McMaster University**                    Expected Completion: April 2020
Software Engineering Embedded Systems (Co-op)

**Relevant Coursework:** Software Development, Software Requirements and Security Considerations, Software Project Management, Software Testing, Software Concurrent Design, Software Architecture Design, Database (SQL), Algorithms and Data Structures, Embedded Systems Design I, Dynamic Control Systems, Electronic Instrumentation, Digital Systems & Interfacing (Logic Design), Computer Architecture

**Technical Skills:** Microsoft Office, Python, JavaScript, Java, C, C++, HTML, CSS, SQL, LATEX, ASSEMBLY, BASH, Verilog, AutoDesk Inventor, AutoCAD, React, Node.JS, Git, Quartus, db2, C# (Learning)

**Languages:** Native Arabic, Bilingual English, Fair Knowledge of French

## EXPERIENCE

**Guest Service Agent | Holiday Inn Saskatoon Downtown, Saskatoon SK**          July 2018 - August 2018
- Addressed any guest concerns over the phone or in person and took actions to solve problems using appropriate service recovery guidelines.
- Worked as part of a team unit and with other departments to provide excellent quality service and maximize hotel revenue.
- Managed guest reservations using hotel management system and undertook multiple tasks from a daily checklist to ensure maximum front desk efficiency.
- Received personalized reference from manager for having most sold breakfast coupons and most membership signups.

**Front of House Volunteer | 541 Eatery and Exchange, Hamilton ON**          May 2017 - July 2017
- Attended the shelter four hours every week to serve food to homeless people and perform general cleaning or stocking.

**Front End Cashier | Tim Hortons, Saskatoon SK**          August 2015 - October 2015
- Demonstrated good customer service and strong communication and teamwork skills working during rushed mornings with other employees.

## PROJECT WORK

**TrnTable** – Yhacks bit.ly/2Q1gJB5          Dec. 2018 – Ongoing
- A web app consolidates multiple Spotify user's top played tracks and artists and allows them to queue, upvote, and downvote songs in a playlist.

**DonA (PSP Assist)** – MEC bit.ly/2SoKNc7          Oct. 2018
- A web-app using React, HTML and JavaScript that gives patients with Progressive supranuclear palsy (PSP) a touch-based text-to-speech virtual keyboard with, common phrases and emergency buttons.

**Node Messenger** – bit.ly/2JkZcCc  Sept. 2018 – Dec.2018
- A web messaging app using JavaScript, HTML, CSS, React and Firebase. The project incorporates a structured documentation and testing process taught by the Software Project Management course.

**OptimizeU** – bit.ly/2qgidwY          Jan. 2018 – Apr. 2018
- Developed and documented portions of a group project that displayed hotspot pickup locations for Uber drivers in New York City. The project incorporated sorting and graphing algorithms and was constructed using Java.