

Nasif Alam

Address:1823 Terrasse Coursol Apt. #1, Montréal, QC H3J 1B5

Email: nasif.alam@mail.mcgill.ca;

Linkedin:www.linkedin.com/in/malam1823

Telephone: 514-550-5361 (Cell), 514-931-1922 (Home)

EDUCATION

Bachelor of Engineering: Electrical Engineering Major

2013-2018

McGill University

Montréal, QC

Diplome d'Etudes Collegial (DEC), Health Sciences

2010-2012

Vanier College

Montreal, QC

SKILLS

Spoken Languages: English, French

Programming Languages: Java, C, C++. Python, JavaScript, MATLAB

Web Technologies: HTML, CSS, SQL, JavaScript

Tools: SPICE, Wireshark, Github, Microsoft Office Products

PROFESSIONAL EXPERIENCE

Research Student/ Control Systems Lead

Supervisor: Andrew Kirk, McGill University, Montreal, QC

January 2017 to December 2017

- Developed a microcontroller-based control system to control the thermocycling process of a novel gold-nanoparticle based surface plasmonic polymerase-chain reaction under an 1 hour.
- Implemented a PID controller in the Arduino IDE (written in C++) to control the heating and cooling of a resistive heating element in the circuit to simulate a single thermocycle (heating and cooling cycle) of a PCR system.
- Studied the performance of two implemented controllers: bang-bang controller and PID controllers on the ability to accurately handle the heating and cooling process

Cashier/ Customer Service

Mcdonalds, Decarie, Montreal, QC

July 2017 to February 2017

- Provided optimal customer satisfaction by providing a pleasant experience (resolve disputes, be friendly)
- Communicated with other crew members and managers to meet target goals during a shift.

Group Manager and Lead Systems/Integration Designer

McGill Mini Robotics Project, Montreal, QC

September 2017 to December 2017

- Managed a team of 3 of first year undergrads by teaching them basic logic-based programming and hardware development to accomplish the task of building a prototypical board-cleaning robot.

Java Software Tester

McGill University, Montreal QC

September 2014 to December 2014

- Implemented test cases in Java to assess the mechanical, software, and hardware components for a Lejos-NXT powered robot that can navigate around obstacles to find a box of a specific color and bring it to the proper destination.
- Communicated the testing results to the manager and to members involved with the software development and mechanical design.

Lead Calculus Tutor and Founder

Tutor Unit, Montreal, QC

January 2013 to December 2013

- Tutored calculus 1 and calculus 2 to cegep/college level students. Guided the students through their homework problems, break complex concepts to improve the understanding of the subject, and provided feedback of their progress in understanding of the concepts.
- Implemented business strategies to increase business growth through sales of our service.