# Matt Kowalczykowski

## Mechatronics Engineering

## Contact Information



mattkowalczykowski@gmail.com


(519) 212 9200


www.mattkowalczykowski.com


## Work Experience

### Nahanni Steel

Production Worker, Co-op Position
May 2014 – September 2014

- Received an Outstanding rating and as a team overproduced expected levels by an average of 26%, as well as beating the record amount of parts made in a single shift by 36%

- Experience operating multiple manufacturing machines including welders, steel presses and quality control stations

- Developed communication and troubleshooting skills with management and technical workers

### McDonald's Canada

Crew Trainer
January 2011 – May 2014

- Fully trained on kitchen and counter positions and being responsible for leading both

- Trained numerous employees on a regular basis

- Courteous and respectful when dealing with customers and fellow employees

## Education

### McMaster University

Mechatronics Engineering
September 2013 – Present

- Project based courses, including development of mechanical assistance device for a client with rheumatoid arthritis, and a 3D printed gear train for a CD-ROM reader

- Hands-on labs using equipment such as oscilloscopes, breadboards and function generators

## Skills

### Personal Skills

- Experienced in leading teams to achieve results above and beyond what is expected

- Excellent written and oral communication skills with customers, management and other employees

- Able to tackle new problems in different environments

### Programming and Development

- Use of object-oriented and array based programming languages, including Python, Java and Matlab

- Applied knowledge of Test Driven Development, and use of automated test cases to ensure rigid code

- Built a personal webpage from the ground up using modern web development techniques

### CAD Software

- Practice with different AutoCad software to design and model various parts, including experience with 3D printing

- Hands on expereince going from designs in Autocad to physical prototypes and models for use in robotics design

### Electrical and Computer Equipment

- Experience with electrical design software to design and analyze various types of circuits

- Use of electrical equipment in labs such as multimeters, breadboards, oscilloscopes, function generator , CRT machine

-Hands on experience working with different microcontrollers and motors in personal projects

## Extracirriculars

### McMaster Sumobots Competition

- Competiton to development an autonomous robot that is able to push other robots out of a circular ring

- Applied knowledge of topics discused in class setting

- Deadline based development schedule

### McMaster Guitar Club

- Volunteer teacher, doing weekly lessons for beginner guitar players

- Orgainzed and designed personal lesson plan