

Aleksandra McGale

aleksandra.mcgale@mail.utoronto.ca | (647)982-5357

EDUCATION

UNIVERSITY OF TORONTO

HONOURS BACHELOR OF SCIENCE

MAJORS IN MATHEMATICS AND
STATISTICS

MINOR IN COMPUTER SCIENCE

Expected April 2020

MICHAEL POWER ST. JOSEPH

Grad. May 2015 | Toronto

International Baccalaureate Diploma
Program | 32/45

COURSEWORK

MATHEMATICS

Linear Algebra 1 and 11

Calculus

Multivariable Calculus

Introduction to Mathematical Logic

STATISTICS

Statistical Theory

Methods of Data Analysis

Surveys, Sampling and Observational Data

Probability

Statistical Methods for Machine Learning

COMPUTER SCIENCE

Software Design

Software Tools and Systems Programming

Introduction to Databases

Computational Mathematics

Introduction to Neural Networks and

Deep Learning

SKILLS

PROGRAMMING

Python - Java - C

R - mySQL

HTML5 - CSS3 - Javascript

jQuery - Bootstrap

Work with C, and .NET

Shell - JavaFX

OTHER

Work with Adobe Photoshop - Adobe XD

Adobe Illustrator - Lunacy Wordpress -

MailChimp Womens Leadership Group

INTERNSHIPS

WHIRPLE | FULL STACK DEVELOPER

- Collaborate with the existing Developer team to create an effective UI and UX web application
- Edit and Debug code using WordPress, Visual Studio 2017 - emphasizing in bootstrap and C/.NET.

EXPERIENCE

CITY OF TORONTO | PART TIME POOL-IN CHARGE/LIFEGUARD/SWIM

INSTRUCTOR

Since May 2014 | Toronto

- Oversees other staff members and assist in schedule maintenance and creation.
- Register participants and coworkers in training's and classes
- Abide by the City of Toronto Parks and Recreation Staff Manual.

DR. KANG LEE LAB | RESEARCH ASSISTANT

2017- 2018 | University of Toronto

- Ran and oversaw experiments with children ranging from 2 to 6 years of age while collecting and inputting data using SPSS.
- Read and edited academic papers and discussed changes to experiments with PhD lead and Head Research Assistant.
- Attended and ran recruiting events for new participants.

WOMAN'S LEADERSHIP GROUP | VICE PRESIDENT OF RISK MANAGEMENT

December 2017 - December 2018 | University of Toronto

- Organized events with over 15 different student organizations while maintaining safety throughout the events.
- Has been a general member since September 2015 and has assisted in over 6 fundraising events.

PROJECTS

IMAGE TAGGING | JAVA, JAVA FX

September - December 2017 | UofT

- Used Java and JavaFX to create an image management desktop application.
- Allows users to upload images from directories and change names on images.
- Used canvas features to show specific areas on images as to where the tag is set.
- Focused on MVC techniques.

CO-CURRICULAR ACTIVITIES

WOMAN'S LEADERSHIP CONFERENCE | ALPHA PHI

February 2017 | Pittsburgh, USA

- Awarded the opportunity to attend Alpha Phi foundation's women in leadership conference.
- Through team exercises, learned how to maximize your workplace ability and interpersonal presence.