

# Aleksandra McGale

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## EDUCATION

**UNIVERSITY OF TORONTO**  
**HONOURS BACHELOR OF SCIENCE**  
Grad. May 2020 | Toronto, ON  
Majoried in Statistics and Minors in  
Computer Science and Mathematics  
Extensive Elective Coursework in:

- Life Science
- Economics
- Entrepreneurship

## COURSEWORK

### UNDERGRADUATE

Data Structures and Analysis  
Intro to Computer Science  
Introduction to Artificial Intelligence  
Introduction to Databases  
Linear Regression  
Machine Learning  
Mathematical Expression and Reasoning  
for Computer Science  
Software Design  
Software Tools and Systems Programming  
The Design of Interactive Computational  
Media(UX)

## SKILLS

### Programming Languages

Proficient in:  
Python3 • Javascript (ES6)  
SQL • HTML5 • CSS3 • R  
Familiar with:  
Java • C • Shell •  $\text{\LaTeX}$

### Web Frameworks

React.js • Flask • Django  
jQuery • Bootstrap

### Other Frameworks, Libraries, Tools and Platforms

Adobe Creative Cloud • AWS  
Heroku • Linux • Microsoft Azure  
Redux • MaterialUI • Git • WordPress

### Databases:

MySQL • DynamoDB

## WORK EXPERIENCE

### ENSO CONNECT INC. | FULL STACK DEVELOPER

May 2020 - Present | Toronto, ON

- Built and deployed React/ Redux components and worked with the UX team to develop prototypes for static websites.
- Used Serverless Framework to develop and deploy AWS Lambda functions
- Developed a Chatbot application using Python3 and Twilio

### CI INVESTMENTS | IT INTERNSHIP

May 2019 – August 2019 | Toronto, ON

- Performed QA and BA roles using Excel and MySQL to test code accuracy.
- Performed UI testing for multi device web applications
- Worked in an Agile Environment

### WHIRPLE | FULL STACK DEVELOPMENT INTERNSHIP

Jan 2019 – May 2019 | Toronto ON

- Built and designed static websites using HTML5, CSS3 and vanilla JavaScript
- Developed and deployed their WordPress landing website

### DR. KANG LEE LAB AT UNIVERSITY OF TORONTO | RESEARCH ASSISTANT

Jan 2017 – Jan 2018 | Toronto ON

- Oversaw a multitude of experiments involving children with ages between 2-6 years old to determine their biases towards race.
- Utilized SPSS to create statistics from collected data during experiments.
- Provided feedback of necessary changes to experiment's with to the Ph.D. lead and Head Research Assistant

## TECHNICAL PROJECTS

### 12 HOURS | UoFT HACKATHON

Jan 2019

A mobile responsive web application built with Flask (Python 3) and vanilla JavaScript. This project also incorporated Microsoft Azures Computer Vision API and City of Toronto's Waste Wizards Database.

### FAKE NEWS COMPILER PERSONAL PROJECT - BACK END

Feb 2019

News application that filters out Fake News built with Flask (Python) and JavaScript. Uses Microsoft's Azure - Text Analysis API to determine sentimental value text and filters out biased articles.

### PAINT STUDIO PERSONAL PROJECT - FRONT END

Feb 2020

Single page web application using vanilla JavaScript and deployed using Heroku. [Click here to demo.](#)

### PHOTO TAGGER SCHOOL PROJECT

Feb 2018

Developed using Java and JavaFX while focusing on MVC techniques to create an image management desktop application.