

# ALEXANDER LOCK

## JUNIOR FULL STACK WEB DEVELOPER

### Summary

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Recently graduated with a Bachelor's of Science from McGill University and discovered the world of programming shortly after. Immediately took a confident turn into this field, becoming a Junior Web Developer in a short 3 months and completing several projects. Ready to take on the next challenge, and determined to broaden my skill set and learn new languages. Currently expanding my knowledge of Python with an independent course. Ultimately aiming to develop innovative and engaging applications with a user-friendly interface.

### Projects

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#### Python Applications Course (In Progress)

Udemy Python Course that allows users to develop their own real life applications. Featured applications: map generator, webcam motion detector, web scraper, geocoding, GUI-based desktop app, data analysis & collection.

#### Face-Replace (Web Application)

Co-built an app where users can generate new face replaced images and share them. Users can then comment and like other users' photos. Integrated google visions API to detect faces, as well as google cloud API to store image data. Built using javascript, nodejs, express, jQuery, postgresSQL.

#### Jungle App (E-commerce)

E-commerce store app built with Ruby on Rails where users can select and purchase items using stripe API to accept credit cards and received order receipt in an email.

#### Food-Pickup App

In a team of 3, created a middleman web application that allows users to order food from a restaurant. The owners can then view the orders and contact the customers. Built with Javascript, NodeJS, Bootstrap, Postgress, SQL. App is integrated with an API that notifies owners via SMS when a new order is ready and when customers food is ready.

#### Chatty-App (Chatroom)

Chat room style web application built using Javascript, React, Websockets.

### Professional Development

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#### Fit For A Cause - Sun Youth Organization Vice President & Co-Founder

Aug 2014 - Dec 2015

Co-founded Fit for a Cause, an on-campus club that provides fitness classes to students by donation. Organized and ran weekly yoga, spin, and boot camp classes. Allocated positions for members of the club, planned and ran meetings. Raised over \$5,000 for the Sun Youth Organization, a local charity that provides emergency services and works with individuals and families in need.

#### MUS Winter Carnival - Canadian Cancer Society Programming Coordinator

May 2014 - Jan 2015

Organized and ran two weeks of events, each with over 1000 participants. Promoted awareness and raised over \$45,000 for the Canadian Cancer Society.

#### McGill Orientation Week Leader Training Facilitator

Aug 2013 - Aug 2014

Trained the orientation leaders about conflict resolution, approaching a crisis, safety, consent, respect, and inclusivity. Ensured all staff were well equipped to manage large groups of incoming students.

#### Campus Life and Engagement - Emerging Leaders Conference Facilitator

Dec 2014 - Feb 2015

Ran multiple workshops for groups of 20-30 students, mediating and guiding discussions about how to become a leader.

### Contact

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in alexander-lock

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### Education

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#### McGill University - Montreal

Bachelor of Science 2016

Anatomy and Cell Biology

#### Lighthouse Labs - Toronto

Full Stack Web Development

Bootcamp 2016

### Skills

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#### TECHNICAL

JavaScript

HTML

CSS3

AJAX

Node.js

React

WebSockets

jQuery

Express

MongoDB

PostgresSQL

Ruby

Ruby on Rails

Python

#### SOFT

Automated Testing

Software Architecture

Responsive Design

Communication

Conflict Resolution

Critical Problem Solving

Teamwork and Adaptability