

# Alexander Pattison

SOFTWARE ENGINEER STUDENT · CO-OP

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## Highlights

**McMaster University**, Student in Software Engineering Co-op Program

**Professional Engineers Ontario (PEO)**, Student Member

**Ontario Society of Professional Engineers (OSPE)**, Student Member

## Education

### Secondary School

GRADUATE

- Honors Graduate

Belleville, Ontario

Jul. 2014

### McMaster University

B.ENG. IN SOFTWARE ENGINEERING

- Currently in Level 4
- Registered in the Engineering Co-op Program

Hamilton, Ontario

CONCURRENT

## Experience

### Young Mens Christian Association

LIFEGUARD AT THE YMCA BELLEVILLE BRANCH

- Communicating with swimmers and coworkers upon a pool safety regiment
- Problem solving and team skills during the job and training

Belleville, Ontario

Aug. 2012 - Aug. 2014

### Volunteer Experience

YMCA & VETERINARY HOSPITAL

- Assisted lifeguards and instructors, while interacting with club members in a friendly manner in 2011
- Assisted inventory and pet care at the Trenton Pet Hospital in 2014

Belleville, Ontario

July. 2011 - Aug. 2014

## Projects

PROJECT WORK

- Team software development for a minigolf simulated game using OpenGL and C# (link: minigolf on BitBucket)
- Team software development implementing searching and sorting algorithms (link: Tour-Guide on GitHub)
- Independent development of Unity game (link: RoadRider on GitHub)

## Skills

**Languages** Python, C, C#, C++, Java, HTML5/CSS, Unix, LaTeX, OpenGL, Unity, Vim, Android Studio

**Frameworks** Bootstrap, Angular

**Technologies** Docker, Rancher, Kubernetes, REST APIs, Micro-services

**Development life cycle** analysis, design, implementation, testing, commissioning, validation & documentation

## Extracurricular

**Piano**, classical, jazz

**Video Games**, CSGO

**Gym**, sports & fitness