

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

Belleville, Ontario

GRADUATE

Jul. 2014

- Honors Graduate

McMaster University

Hamilton, Ontario

B.ENG. IN SOFTWARE ENGINEERING

CONCURRENT

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

Projects

PROJECT WORK

- Independent development of java and python applications
- Independent development of HTML/CSS and angular applications
- 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, BASH, Node.js, PHP, LaTeX, OpenGL, Unity, Vim, Android Studio

Frameworks Bootstrap, Angular, Databases

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

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

Experience

Young Mens Christian Association

Belleville, Ontario

LIFEGUARD AT THE YMCA BELLEVILLE BRANCH

Aug. 2012 - Aug. 2014

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

Volunteer Experience

Belleville, Ontario

YMCA & VETERINARY HOSPITAL

July. 2011 - Aug. 2014

- 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

Extracurricular

Piano, classical, jazz

Video Games, CSGO

Gym, sports & fitness