Shan Phylim

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Skills

Languages	C/C++, Javascript, C#, Java
Frameworks/APIs	Three.js/WebGL, NodeJS, Chrome.*, Google Maps, Selenium
Tools	Git, Perforce, Unity Engine

Experience

Autodesk — *Montréal, Québec*
SOFTWARE DEVELOPER INTERN — *Sept 2016 - Dec 2016*
Fusion 360 Web Access - Flagship Web-Based CAD Program
- Implemented various features and bug fixes using Three.js/Web GL
- Extended data propagation capabilities in a Node JS/C++ based distributed system
- Implemented tangent chaining, allowing users to select multiple connected edges at once
- Refactored and made UI changes on a custom JS widget system

IBI Group — *Toronto, Ontario*
FULL STACK DEVELOPER — *Jan 2016 - Apr 2016*
ATMS - A large scale traffic monitoring/management web application
- Developed across entire stack in using ASP.NET, SQL, and Angular JS
- Extended map view functionality through Google Maps API
- Applied MVC Design pattern to create new web pages in Angular JS/ASP.NET
- Automated application configuration process on deployment pipeline using Octopus

Imagine Communications — *Waterloo, Ontario*
QA DEVELOPER — *May 2015 - Aug 2015*
Web Applications - Breakaway Team
- Developed tools and automated tests in C#/Selenium
- Built a product specific framework in C#/Selenium to quickly setup UI Tests
- Authored and executed tests cases using project management software (Fogbugz/TargetProcess)

Personal Projects

🔗 **Chrome Couch** JAVASCRIPT • CHROME.* API
A Chrome Extension that allows an XPad Controller to browse the internet
- Developed tab management features
- Implemented message passing capabilities

🔗 **Myo Pad** C++ • OPENGL • MYO SDK
A program using the Myo armband that translates hand movements into digital drawings
- Built the UI component which translated armband coordinates into graphical form

🔗 **aSymple Platformer** C# • UNITY GAME ENGINE
A 2-player platformer built during the GI Jam Games Hackathon
- Scripted obstacle behaviour
- Implemented balancing features like drop zones and respawn timers

Education

University of Waterloo — *Waterloo, Ontario*
BACHELOR OF SOFTWARE ENGINEERING CANDIDATE — *2014 - 2019 (Expected)*