

Connor Sheehan

5 Fawn Court – Whitby, Ontario – Canada

+1 (905) 767 6049 • sheehacg@mcmaster.ca
connor-sheehan.com • github.com/cgsheeh

Objective

Seeking a challenging software engineering opportunity developing, testing and implementing some of the world's most complex systems.

Highlights of Qualifications

- o Upcoming B.Eng graduate offering a strong foundation in software engineering principles.
- o An excellent problem solver, able to swiftly troubleshoot problems and quickly master new frameworks and APIs.
- o An effective communicator, able to competently collaborate with both technical and non-technical individuals.

Education

Bachelor of Engineering and Co-Op (Software)

McMaster University, Third Year

Hamilton
2013–Present

Relevant Projects and Course Work

- o Implemented a spell checking application in Java using a ternary search trie for immediate lookups on a 650,000 word dictionary.
- o Implemented a Connect Four game in Java, with game saving capabilities and a computer opponent using the Model-View-Controller architectural pattern.
- o Managed an open source Python redevelopment project of the *OpenBazaar* application with a focus on documentation and implementation techniques. Completed work included specifying requirements, creating a module guide, automatically generating a module interface specification from source code, creating a test plan with report, implementing a GUI and creating a setup script to install dependencies.

Experience

Software Packager

University of Ontario Institute of Technology - ITServices

Oshawa
May–August 2015

- o Created and tested automated setup scripts for hundreds of software deployment titles, reducing the volume of support calls while maintaining software availability for students and faculty.
- o Tested and verified software deployments through LANDesk Asset Management Portal on virtual machine infrastructure, while learning many new software deployment technologies.
- o Reverse engineered an automated virtual test suite for software deployments utilizing a C# wrapper for VMWare VIX API, reducing overall workload for testers and increasing testing frequency.

Software Imaging Assistant

University of Ontario Institute of Technology - ITServices

Oshawa

May–August 2013 & 2014

- o Assisted in the laptop image creation and deployment process for the Technology Enriched Learning Environment.
- o Built development images with required application and operating system configurations specific to each individual program of study.
- o Captured laptop physical disks to virtual images using Symantec Ghost and WinPE.
- o Systematically deployed software images to thousands of laptops for student use, while monitoring network throughput and server performance to maximize efficiency.

Grocery Clerk

Justin's No Frills

Whitby

2009–2013

- o Worked 20-35 hours weekly while attending high school full time, stocking shelves and providing quality customer service.

Skills

Programming Languages.....

- o Proficient with Java, Python 2/3, C#, AutoIT, Bash Scripting, SQL, DDL and L^AT_EX.
- o Experience with VBScript, Powershell Scripting, MATLAB, NASM Assembly, C, JavaScript, jQuery, HTML, CSS.
- o Able to learn new languages quickly.

Mathematical Competencies.....

- o Calculus and differential equations.
- o Fundamental algorithms and data structures in computer science and operations research.
- o Control systems engineering mathematics of frequency and time domains.

Other Computer Skills.....

- o Proficient with Windows and Linux operating systems.
- o Microsoft Office Suite (Excel, Word, Powerpoint).
- o Git and version control technologies.
- o Knowledgeable with command line interface.
- o Comfortable working within integrated development environments such as PyCharm, Visual Studio and Eclipse.

Personal Interests

- o Fitness enthusiast with an emphasis on strength training and self improvement.
- o Former minor league representative hockey player for ten years.
- o Recreational gamer and chess player.
- o Avid learner and personal researcher with a curiosity for all things technology and software related.