

Connor Sheehan

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Production Engineering Department

Facebook, Inc
1 Hacker Way
Menlo Park, California

January 24th, 2016

To Whom It May Concern,

RE: Production Engineer, Intern/Co-Op (2015)

With regard to the above opportunity, I am forwarding my resume for your consideration.

I am currently enrolled in my third year of the Software Engineering and Co-Op program at McMaster University in Hamilton, Ontario. My education has provided me with many skills and experiences that a production engineer must possess to be able to move fast and tackle complex problems. Courses from basic programming to concurrent software design have given me a structured method of developing my technical abilities and supplementing my personal experimentations. Due to this exposure, I have the ability to rapidly learn new development languages as well as pick up frameworks and APIs. In line with Facebook's core belief in making the world more open and connected, I completed a project of redeveloping the groundbreaking *OpenBazaar* application using engineering methods and tools.

For the past three summers, I have been employed at the University of Ontario Institute of Technology. In my first two summers I was a computer imaging assistant. My role was to assist three full time computer imaging technologists in the development of desktop and laptop images for institutionally owned computers, as well as work with other student employees in an imaging lab to prepare thousands of computers for distribution. This experience allowed me to learn many details about large scale imaging, which will be invaluable in a Production Engineering position. The third summer I was given a promotion to software packager. Responsibilities included gathering licensing and installation files for software titles and compiling an installation script for automated deployments through the LANDesk Management Suite. During this time, when image configurations were updated some deployments would break, leading to many support calls. In collaboration with my colleague, I reverse engineered the deployment portal and built an automated test suite; this resulted in fewer support calls and reduced workload as the testing could now be performed without monitoring.

I would be extremely interested in joining your team for a co-op term to learn from a group of people equally as enthusiastic as I am. I look forward to hearing from you to discuss my skills and qualifications further. Please contact me via my email or phone number. Thank you for considering me in this position.

Best regards,

Connor Sheehan

Attached: resume

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Objective

Seeking a challenging software engineering opportunity developing and documenting some of the world's largest and most complex systems.

Highlights of Qualifications

- Upcoming B. Eng graduate offering a strong foundation in software engineering principles.
- An excellent problem solver, able to swiftly troubleshoot problems and quickly master new frameworks and APIs.
- 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

- Implemented a spell checking application in Java using a ternary search trie for immediate lookups on a 650,000 word dictionary.
- Implemented a Connect Four game in Java, with game saving capabilities and a computer opponent using the Model-View-Controller architectural pattern.
- 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

- 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.
- Tested and verified software deployments through LANDesk Asset Management Portal on virtual machine infrastructure, while learning many new software deployment technologies.
- 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**Oshawa***University of Ontario Institute of Technology - ITSservices**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 Capturing 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**Whitby***Justin's No Frills**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 \LaTeX .
- 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.

References available upon request.