## **Charles Martin Virtusio**

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#### Education

# **Bachelor of Applied Science in Computer Engineering**

Co-operative Program, University of Waterloo, Waterloo, ON September 2012 – June 2017

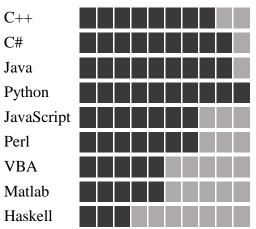
#### **Relevant Courses:**

Cooperative and Adaptive Algorithms, Fundamentals of Computational Intelligence, Programming for Performance, Database Systems, Algorithms and Data Structures

#### **Technical Skills**

General Software Development General Software Testing Linux Bash Scripting Windows Batch Scripting Windows Application Development Web Development (Server-side)

# **Programming Languages**



## **Work Experience**

### **Product Software Engineer**

NVIDIA Corporation, Santa Clara, CA, USA September 2016 - December 2016

- Improved product development process by implementing scripts, and programs that automates previously manual process
- Implemented Perl and Python scripts to harvest metadata from database and perforce version control for data analytics and statistical analysis
- Implemented excel VBA scripts to improve data harvest and data mining process

#### **Windows App Developer**

BicDroid Inc, Toronto, ON, CAN May 2015 - December 2015

- Worked extensively on multimedia framework which help me develop a working knowledge of different multimedia framework architectures, multimedia format types, and expose me to openCV library
- Built tools for a security system, QDocument, which includes audio-video capture, audio-video playback, and network function calls which improved my computer security awareness

# .NET Web Developer/Tester

HGMercantile Industries, Toronto, ON, CAN September 2014 - December 2014

 Worked on API centric architecture and used MVC design pattern for web development. Also, helped develop and test Qicsend.com and the corresponding customer support application

## .NET Web Developer

Toronto Transit Commission, Toronto, ON, CAN September 2013 - December 2013

 Added extra features to existing web application built on .NET framework. Implemented Oracle SQL queries to improve performance and to make backend database more maintainable. Used JavaScript with jQuery library to improve clientside performance