

# Charles Martin Virtusio

## Computer Engineer

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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

## Skills Summary

- Effective team member needing minimal supervision developed while working on engineering projects
- Capable of working under pressure, fast learning, competitive, dedicated and willing to work regardless of circumstances
- Familiar with Frontend Web technologies like HTML, CSS, Javascript, Bootstrap, jQuery, Angular2 and web protocols like HTTP and REST API
- Development experience using ASP.NET, Django, Express(Node) serverside frameworks with Oracle, MySQL, and MongoDB databases
- Experience with version control technologies like GIT, Perforce, and SVN
- Programming Languages: C++, C#, Java, Python, JavaScript, Typescript, Perl, VBA, Matlab, Haskell
- Technical Skills: Software Tools Development, Scripting (Linux and Windows OS), Object-Oriented Design and Development, Windows Application Development, Web Development (Dynamic Web Pages), Web Development (SPA + REST API), Database Development (SQL and NoSQL), QA and Testing

## 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 perform 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

### ASP.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

### ASP.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 client-side performance