Richard Li Yang Cheung

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EDUCATION

MCGILL UNIVERSITY | B.Eng. in Electrical Engineering
Expected April 2016 | Montreal, Quebec

Champlain College | Pure & Applied Science
2009 – 2012 | Saint-Lambert, Quebec

LANGUAGES

PROGRAMMING
Java• C •C# •C++ •HTML• JavaScript • CSS •VHDL• Python
Familiar Technology
MySQL• Visual Studio• Microsoft Office• Cadence• DipTrace
Wireshark• Android Studio• SharePoint

SPOKEN & WRITTEN
Fluent
English, French
Native Speaker
Chinese

EXPERIENCE

CMC ELECTRONICS | Software Analyst Developer Intern
January 2014 – September 2014 | Saint-Laurent, Quebec

- Created SharePoint 2010 Web forms for company using REST service, .NET SDK, and knockout.js.
- Created a library in C# for generating PDF type file for SharePoint 2010 forms using external library iTextSharp.

PROJECTS

McGill Robotics (September 2015– March 2016)
Designed an Arduino interface adapter module to ease the connection of the rainbow cables.

ECSE 489-Telecommunication Laboratory (September 2015 – December 2015)
Designed a DNS client that can read the packet content and output into a terminal. In this class, a simple firewall was also designed in a virtual machine running on Linux.

ECSE 434- Microelectronics Laboratory (September 2015 – December 2015)
Designed an AM receiver which consist of a preamplifier, demodulator, baseband amplifier, and output stage with a speaker.

ECSE 323-Digital System Design (January 2015 – April 2015)
Designed a music box system implemented in an Altera's DE1 FPGA Board using VHDL.

ECSE 427- Operating System (September 2014 – December 2014)
Designed a simple OS shell, which provides directory and jobs commends, a user-level threads package, a simple file system, which provides creation, deletion, reading, and writing of given files with C.

ECSE 221- Design Principles and Methods (September 2013 – December 2013)
Designed a tri-wheel robot using NXT Lego that was able to grab and stack Styrofoam blocks at a specific location with Java.