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# Michael O'Driscoll <mike@mikeodriscoll.ca>

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mikeodriscoll.ca

## SKILLS

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- Programming languages including: C, C++, Python, Bash
- Frameworks including: Qt, MFC, Cascades.
- Operating system development and administration: Linux (specifically Debian based), QNX, Windows
- Tools: Wireshark, TCP Dump, Omnipcap, GDB
- Revision control: Git, Perforce, SVN
- Protocol knowledge: TCP, UDP, IEEE 802.11, 3GPP.

## EXPERIENCE

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### BlackBerry

March 2013 - Present

#### WLAN Software Developer

- Software development in POSIX C.
- Maintenance of Texas Instruments and Broadcom drivers and libraries for the QNX BlackBerry 10 operating system.
- Middleware development and maintenance: API interfaces, connection management.
- Wireshark and wifi air capture analysis for debugging full system interaction to root cause IEEE 802.11 and interoperability issues.
- Crash debugging with GDB and deep dive code tracing to root cause issues.

### BlackBerry

July 2010 - March 2013

#### Software Tools Developer

- Windows software development in C, C++ (MFC) and Python for internal applications supporting log analysis and graphical visualization.
- Support and interact with teams worldwide gathering and implementing requests for new features.
- Collaborate on design on new version of tool to support QNX based BlackBerry 10 devices.

### BlackBerry

May 2008 - August 2010

#### Software Tools Developer, Intern

- Windows software development in C, C++ (MFC) and Python for internal applications supporting log analysis and graphical visualization.
- Designed and developed python automation for control of C++ application featuring real-time BlackBerry device control with post analysis graph viewing and live monitoring.
- Monitor and support of testing infrastructure in multiple worldwide offices.
- Support and interact with teams worldwide gathering and implementing requests for new features.

### City of Kitchener

June 2004 - May 2008

#### Lifeguard and Swimming Instructor

- Responsible for supervision of all patrons in the pool and ensure their well being and safety during public events or swimming lessons.
- Plan and teach swimming lessons to patrons ranging from toddlers to seniors, all with varying degrees of skill and comfort in the water.
- Provide age appropriate feedback to children as well to their parents or guardians and adult students.
- Educate the public about aquatic safety and general first aid skills.

## EDUCATION

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Software Engineering Technology, Conestoga College  
Ontario Colleges Advanced Diploma

2006 - 2010

## CERTIFICATIONS

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Standard First Aid, CPR C, AED  
St. John Ambulance Canada

January 2011-January 2014