
Interests	Optimizing, parallelizing, and just-in-time compilers; dynamic binary translation; interpreters; virtual machines; and programming language implementation.															
Experience	<p>University of Toronto <i>Teaching Assistant</i> CSC 488 - Compilers and Interpreters present CSC 488 - Compilers and Interpreters winter 2013 CSC 467 - Compilers and Interpreters fall 2012 CSC 488 - Compilers and Interpreters winter 2012 CSC 326 - Programming Languages fall 2011</p> <p>Google summer 2013 <i>Software Engineering Intern</i> Developed dynamic binary translation tools for profiling Google code.</p> <p>Google summer 2012 <i>Software Engineering Intern</i> Developed profiling tools that identify the sources of long-tail latencies in production code.</p> <p>Research In Motion summer 2011 <i>Cellular Stack Software Developer, Student</i> Worked on the lower layers of the LTE protocol stack. Developed real-time algorithms for dynamic and semi-persistent scheduling, as well as the scheduling of acknowledgments. This information is used by higher layers of the protocol stack for cell (re)selection, VoIP, etc.</p> <p>The University of Western Ontario summer 2010 <i>Research Assistant</i> Maintained and upgraded Grail+, a tool for symbolically manipulating regular languages. Added support for new algorithms and operations on automata with millions of states/transitions.</p> <p>The University of Western Ontario 2008/2009 <i>Residence Advisor</i> 2007/2008 Worked with a team to help first-year students make the most of their university experience.</p>															
Education	<p>University of Toronto present <i>Ph.D, Computer Science</i></p> <p>University of Toronto 2011-2013 <i>M.Sc, Computer Science</i></p> <p>The University of Western Ontario 2006-2011 <i>B.Sc, Honours Specialization in Computer Science, Computer Science</i></p>															
Skills	<table><tr><td><i>Advanced</i></td><td>C++</td><td>C</td><td>Python</td><td>Assembly (x86-64, AT&T syntax)</td></tr><tr><td><i>Proficient</i></td><td>PHP</td><td>JavaScript</td><td>MySQL</td><td>SQLite</td></tr><tr><td><i>Competent</i></td><td>Java</td><td>HTML</td><td>CSS</td><td></td></tr></table>	<i>Advanced</i>	C++	C	Python	Assembly (x86-64, AT&T syntax)	<i>Proficient</i>	PHP	JavaScript	MySQL	SQLite	<i>Competent</i>	Java	HTML	CSS	
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Awards	SOSP Student Scholarship 2013 Ontario Graduate Scholarship 2013/2014 SGS Conference Grant (University of Toronto) 2012/2013 USENIX OSDI Student Grant 2012 Ontario Graduate Scholarship 2012/2013 SGS Conference Grant (University of Toronto) 2011/2012 SIGARCH Grant (ASPLOS 2012) 2012 ASPLOS - Best Conference Poster Award, 3rd Place 2012 Ontario Graduate Scholarship 2011/2012 NSERC Undergraduate Student Research Award 2010															