Caroline Lemieux

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Education

University of British Columbia, *Combined Honours Computer Science and Mathematics, Science One*	2012-Present
Kitsilano Secondary School, *French Immersion, Enriched Math + English*	2007-2012

Awards and Scholarships

PLMW at ICFP Scholarship Award	2015
1st Place, Undergraduate Category of ACM SRC at ICSE 2015	2015
SIGSOFT CAPS Grant for ICSE 2015	2015
NSERC Undergraduate Student Research Award	2014, 2015
Honourable Mention, CRA Outstanding Undergraduate Female Researcher Award for PhD-granting institutions	2015
Trek Excellence Scholarship for Continuing Studies	2014-2015
Reginald Palliser-Wilson Scholarship	2014
Maureta Evelyn McDonald Memorial Scholarship	2014
Trek Excellence Scholarship for Continuing Studies	2013-2014
Charles and Jane Banks Scholarship	2013-2014
Science Scholar Award	2012-2013
Janusz J Klawe Memorial Science One Scholarship	2012-2013
Chancellor's Scholar Award	2012
Graduation Program Examinations Scholarship	2012
Fiat Lux Gold Scholarship *(highest academic standing in graduating class)*	2012
Science Achievement Award Scholarship	2012
Myron Moxley Memorial Scholarship	2012
Passport to Education	2010-2012
Waterloo Certificate of Distinction: *Euclid, Fermat, Cayley, Pascal Contests*	2009-2012

- Kitsilano Secondary School Academic Awards: *English 12, Literature 12, Biology 12 (2012); English 11, French Immersion Social Studies 11 (2011); Junior Honour Award, Spanish 11, Photography 11, F.I. Social Studies 10, English 10 (2010); F.I. Science 9 (2009); F.I. Science 8 (2008); Top Scholar (2008-2011).*

Papers/Publications

- Caroline Lemieux, Dennis Park and Ivan Beschastnikh. General LTL Property Mining. In *Proceedings of the 30th International Conference on Automated Software Engineering, ASE 2015*, Lincoln, USA.
- Caroline Lemieux and Ivan Beschastnikh. Investigating Program Behavior Using the Texada LTL Specifications Miner. Tool Demonstration Track. In *Proceedings of the 30th International Conference on Automated Software Engineering, ASE 2015*, Lincoln, USA.
- Caroline Lemieux. Mining Temporal Properties of Data Invariants. ACM SRC Research Abstract. In *Proceedings of the 37th International Conference on Software Engineering, ICSE 2015*, Florence, Italy.

Work Experience

Research Assistant (USRA), *working on Texada under Ivan Bestchastnikh* Developed the LTL specification mining tool Texada, which can mine satisfying event bindings for LTL formulae or arbitrary length and size. Also evaluated and co-wrote a paper describing the tool. (see publications)	2014, 2015
UBC Undergraduate Academic Assistant, *working on Systematic Program Design (Coursera) Course Material under Gregor Kiczales*	2013-2014
UBC Undergraduate Teaching Assistant, CPSC 110	2013

- Math Tutor   2010-2011
- Community Service Student *(High School Teaching Assistant)*   2010-2011

Volunteer Experience

- President, UBC Activists for Animals Club   2014-2015
- Research Assistant, *working on InvariMint under Ivan Bestchastnikh.*   2014
  Expanded functionality of the InvariMint tool implementation to allow for more
  flexibility in algorithm specification, a central proposal of the InvariMint method.
- Treasurer, UBC Activists for Animals Club   2013-2014
- Secretary , Kitsilano Secondary School Student Council   2011-2012
- Junior Team Coach, Reach for the Top   2010-2011
- Kitsilano Secondary School Link Crew Leader   2010
- Youth Olympic Volunteer Performer   2009-2010

Computer Skills

- Languages: Java, C++, C, javascript, Python, Racket, HtDP teaching languages
- Advanced Photo Editing, Video Editing, Word Processing, LaTeX, Spreadsheet Usage

Languages

- French (Fluent), English (Fluent), Spanish (Basic)