

**Curriculum Vitae**  
**Alexander O. Brodsky, Ph.D.**

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**Work Address:**  
Faculty Computer Science  
Dalhousie University  
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**Citizenship:** Canadian

**Education:**

**Doctor of Philosophy in Computer Science**

University of British Columbia, 1999 - 2003,  
Thesis: Growth Processes on Formulae and Reversible Circuits,  
Supervisor: Dr. Nicholas Pippenger.

**Master of Science in Computer Science**

University of British Columbia, 1997 - 1999,  
Thesis: Models and Characterizations of 1-Way Quantum Finite Automata.  
Supervisor: Dr. Nicholas Pippenger.

**Bachelor of Mathematics in Computer Science, Physics Minor, with Honors**

University of Waterloo, 1992 - 1997.

**Current Research Interests:**

My current research interests are in computer-based assessments, particularly in the area of computer science education, programming, and software development. Such assessments typically involve students demonstrating learning outcomes by performing specified tasks on their computers in a semi-controlled, time-restricted environment. I am interested in questions regarding the usefulness, validity, and integrity of such assessments.

**Academic and Professional Experience:**

**September 2021 — August 2022**

Associate Dean (Academic) in the Faculty of Computer Science, Dalhousie University,  
This was 1-year leave replacement position.

**July 2017 — Present**

University Teaching Fellow in the Faculty of Computer Science, Dalhousie University,  
My area of focus is academic integrity, program and curriculum development, computer-supported and computer science education.

**July 2012 — June 2017**

Senior Instructor in the Faculty of Computer Science, Dalhousie University,  
My area of focus is program and curriculum development, theory of distributed system and distributed computing.

**July 2009 — June 31, 2012**

Instructor in the Faculty of Computer Science, Dalhousie University,  
My area of focus is theory of distributed system and distributed computing.

**August 2005 — July 2009**

Assistant Professor in the Department of Applied Computer Science, University of Winnipeg,  
My area of focus is theory of distributed computing. I investigated the implementation of various distributed objects in synchronous, semisynchronous and peer-to-peer systems.

**September 2003 — August 2005**

Post-Doctoral Fellow in the Department of Computer Science, University of Toronto,  
In collaboration with Faith Ellen, I investigated the implementation complexity of various distributed objects in synchronous shared memory systems.

**January 2002 — April 2002**

Instructor for CPSC415 Advanced Operating Systems offered by Department of Computer Science, University of British Columbia. Overhauled and redeveloped the 4th year operating system course, completely rewriting the syllabus, lectures, and assignments. Received a 4.38 (out of 5) student evaluation. Duties included lecturing, preparing lectures, assignments, and exams, meeting with students, and overseeing three teaching assistants.

**Spring 1998, Spring 1999, Spring 2001**

Teaching Assistant for Alternative Routes to Computing (ARC) program. I was responsible for supporting a small group of students whose first degrees were from a nontechnical area. These students were working through a fast-tracked computer science diploma program and required additional support to understand mathematical and computer science concepts. The majority of the work involved tutorials and one-on-one sessions.

**May 1997 - August 1997**

Systems Developer, Watcom International, Waterloo, ON  
I was responsible for maintaining and extending the F77 Fortran Compiler Project. The duties included extending functionality, improving compiler optimizations, and porting the entire system to the DEC Alpha architecture. Concurrently, I maintained and extended the C Library to operate on Windows and OS/2, running on Intel x86, DEC Alpha, and Power PC processors.

**July 1996 - September 1996**

Edinburgh University, Edinburgh, Scotland  
During my tenure I developed a parallel radiosity system specifically for the Cray-T3D architecture.

**Teaching Awards:**

**The Faculty of Computer Science Dean's Award for Teaching Excellence** presented by Faculty of Computer Science, Dalhousie University, 2014.

**The Sрни Award for Teaching Excellence** presented by the Dalhousie University Computer Science Society, 2010.

**The Sрни Award for Teaching Excellence** presented by the Dalhousie University Computer Science Society, 2009.

**Teaching Experience:**

**Fall 2009 - present** Faculty of Computer Science, Dalhousie University

CSCI 2122 Systems Programming

Fall 2023, Winter 2023  
Overhauled course: new lectures, labs, assignments, tests.

CSCI 2115 Theory of Computer Science

Fall 2021, Fall 2022, Fall 2023  
Developed course in collaboration with Dr. Norbert Zeh.

CSCI 1110 Introduction to Computer Science	Fall 2015, Summer 2018, Summer 2019, Fall 2022, Summer 2023 Delivered online: Fall 2020,
CSCI 3120 Operating Systems	Winter 2010, Winter 2011, Winter 2012, Winter 2014, Summer 2016, Winter 2018, Summer 2019, Summer 2023, Delivered on-line: Summer 2021
CSCI 3136 Principles of Programming Languages	Winter 2014, Summer 2016, Summer 2018, Summer 2019, Delivered on-line: Summer 2020, Summer 2021
CSCI 2134 Software Development	Winter 2020
CSCI 2110 Data Structures and Algorithms	Winter 2012, Winter 2018, Winter 2018, Winter 2020
CSCI 4176 Mobile Computing	Fall 2010, Fall 2011, Fall 2012, Fall 2013, Fall 2014, Winter 2016
CSCI 1106 Animated Computing	Fall 2009, Fall 2010, Winter 2011, Fall 2012, Fall 2013, Fall 2014, Winter 2016
CSCI 3132 Object Oriented Programming	Fall 2011
CSCI 1107 Social Computing	Winter 2010
CSCI 2132 Software Development	Fall 2009

**Fall 2005 - Fall 2009** Department of Applied Computer Science, University of Winnipeg

ACS 7301 Implementation & Impact of Peer-to-Peer Systems	Winter 2009
ACS 3931 Principles of Operating Systems	Fall 2006, Fall 2007
ACS 3911 Computer Networks	Winter 2007, Winter 2008, Winter 2009
ACS 2906 Computer Architecture and Software Systems	Winter 2006, Fall 2006, Winter 2008, Fall 2008
ACS 2947 Data Structures and Algorithms	Winter 2006, Winter 2007, Fall 2007, Fall 2008
ACS 1903 Programming Fundamentals I	Fall 2005 (2 sections)

**Winter 2002** Department of Computer Science, University of British Columbia

CPSC 415 Advanced Operating Systems	Winter 2002
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## Curriculum Development

- Overhauled CSCI 2122 Systems Programming as part of an effort to smooth the systems pipeline in the core curriculum, and match expectations between the pre-requisite course, CSCI 1120, and the follow-on course, CSCI 3120. As part of this effort, I chaired an informal working group of course instructors who deliver these courses to create a common understanding of expectations for the courses.
- Chaired the Faculty of Computer Science Holistic Evaluation of Teaching Ad-Hoc Working Group to develop procedures for implementing Dalhousie's Holistic Evaluation of Teaching Policy.
- Developed CSCI 2115 Theory of Computer Science as part of the implementation of the curriculum overhaul that saw CSCI 3136 replaced with CSCI 2115 and CSCI 3137.
- Chair of Curriculum Committee in 2020/2021, 2022/2023, 2023/2024.
- Took a leadership role during the move to on-line, providing my course material and structure as a model for others and offering providing advice on using the available on-line platforms.

- Adjusted and delivered CSCI 3120 in Summer 2021 in an on-line setting due to Covid. The efforts included changing the assessment structure, creating new online-friendly assessments, and creating a set of on-line resources such as videos and tutorials.
- Adjusted and delivered CSCI 1110 in Fall 2020 in an on-line setting due to Covid. The efforts included changing the assessment structure, creating new online-friendly assessments, and creating a set of on-line resources such as videos and tutorials.
- Adjusted and delivered CSCI 3136 in the summer of 2020 in an on-line setting due to Covid. The efforts included changing the assessment structure, creating new online-friendly assessments, and creating a set of on-line resources such as videos and tutorials.
- Developed a significant portion of content for CSCI 2134 Software Development, including a full set of lectures, labs, assignments, and examinations. The course was in its second iteration, having been first delivered by Dr. McAllister in Fall 2019. Building on the lessons learned from that offering, the course offers a solid hands-on approach to modern software development, using modern tools and covering individual software development skills. This will allow the follow-on CSCI 3130 course to focus more on team-based projects and team-based software development skills.
- Chair of the Curriculum Committee in the 2019/2020 academic year. Lead initiatives to overhaul the math component of the BCS and assisted in the design and implementation of new math courses for computer science; update the 3rd year core for the BCS, to correct the challenges with CSCI 3136; and harmonize the core requirements for the BCS and the BSc.CS degrees. Oversaw the submission of a major program modification to Senate and the MPHEC encompassing all the changes that were instituted over the past few years.
- Chair of the Curriculum Committee in the 2018/2019 academic year. Lead initiatives that included: the overhaul of the second year core for the BCS and BACS programs. The software development course was updated and its focus changed on modern software development methods. The computer organization course was replaced with a low level system programming course that focused on the programmer's perspective rather than the hardware designer's perspective. A review of the math curriculum in the BCS was commenced.
- Chair of the Curriculum Committee in the 2017/2018 academic year. Lead initiatives that included: the overhaul and unification of the first-year of the BCS and BACS programs; overhaul of the academic component of the Co-op programs in FCS, an overhaul of the MACS program.
- Developed CSCI 1110: Computer Science I and II, which is an accelerated and enriched course for first year computer science students combining the content of the first year courses in one course with additional material. The course is taught in flipped classroom style, with students doing reading before class and then discussing the material during the lecture time. All new material for this course was created, including assignments, a practicum, course content.
- Chair of the Curriculum Committee in the 2015/2016 academic year. Overhauled and renamed the Bachelor of Informatics into the new Bachelor of Applied Computer Science. The challenge was to create a comprehensive information technology degree with multiple entry-points that leveraged existing courses and was compatible with the existing Bachelor of Informatics. Proposed a new co-op evaluation scheme to replace the existing work-term report.
- Chaired the Curriculum Committee in the 2014/2015 academic year. Conducted a full curriculum review of the Bachelor of Computer Science. No major changes were deemed necessary. A number of minor improvements are ongoing.
- Collaborated with Professor Susan Holmes of the College of Continuing Education to present teaching workshops for faculty of the Faculty of Computer Science.
- Chaired the Curriculum Committee in the 2013/2014 academic year. Focus is on creating more teaching resources for faculty and CIPS accreditation.

- Collaborated with Dr. Christian Blouin to create learning outcome based course maps for the program cores of the BCS and Informatics programs.
- Created the Minor in Informatics in 2012/2013.
- Chaired the Curriculum Committee in the 2011/2012 academic year. Created and implemented a variety of policies dealing with 1st/2nd year coordination and midterm scheduling. Investigated how we can better support international students and worked to create a series of teaching workshops for the Faculty.
- Chaired the Curriculum Committee in the 2010/2011 academic year, overseeing the overhaul of the first year programs, instituting a Science with a Lab policy, creating a set of recommendations on the content and delivery of syllabi, and instituting a course archive. I was a member of the Curriculum Committee in 2009/2010.
- Overhauled the curriculum for CSCI 3132 Object Oriented Programming, including new lectures, assignments, and projects.
- Developed CSCI 4176 Mobile Computing, including syllabus, lectures, assignments, and projects.
- Developed a new set of lectures and assignments for CSCI 2110 Computer Science III.
- Developed a new set of lectures and assignments for CSCI 3120 Operating Systems.
- Collaborated in the development of CSCI 1106 Animated Computing. The course was developed to provide hands-on based learning and appeal to students throughout the university. In collaboration with the Center for Teaching and Learning the course has been revised on a regular basis.
- Collaborated in the development of CSCI 1107 Social Computing. The course was developed to provide user-centered view of computing that appeals to students throughout the university. In collaboration with the Center for Teaching and Learning the course has been revised on a regular basis.
- Developed a new set of lectures, labs, and assignments for CSCI 2132 Software Development.
- Developed the graduate course ACS 7301 The Implementation and Impact of Peer-to-Peer Systems.
- Developed ACS 3931 Principles of Operating Systems, including syllabus, lectures, and assignments.
- Overhauled ACS 3911 Computer Networks, including all lectures and assignments. I experimented with teaching this course in both a top-down and bottom-up fashion to determine the best way to present the material.
- Overhauled ACS 2906 Computer Architecture and Software Systems. The breadth and depth of the material was increased and new lectures, and assignments were created. The course became one of the more challenging courses in the curriculum.
- Created new lectures and assignments for ACS 2947 Data Structures and Algorithms.
- Created new lectures and assignments for ACS 1903 Programming Fundamentals I.
- Overhauled CS 415 Advanced Operating Systems. Completely rewrote this course, changing the course material, the lectures and assignment structure.

### **Journal Publications:**

- Alex Brodsky, Faith Ellen Fich, and Philipp Woelfel, "Fully-Adaptive Algorithms for Long-Lived Renaming", Distributed Computing, (accepted) 2011.
- Jan Baekgaard Pedersen, Alex Brodsky, and Jeffery Samson, "Approximating the Buffer Allocation Problem Using Epochs", Journal of Parallel and Distributed Computing, 68, 1263-1282, 2008.

- Alex Brodsky and Shlomo Hoory, “Simple Permutations Mix Even Better”, *Random Structures and Algorithms*, 32(3), 274-289, 2008.
- Alex Brodsky and Nicholas Pippenger, “The Boolean Functions Computed by Random Boolean Formulas OR How to Grow the Right Function”, *Random Structures and Algorithms*, 27(4), 490–519, 2005.
- Alex Brodsky, Jan Bækgaard Pedersen, and Alan Wagner, “On the Complexity of Buffer Allocation in Message Passing Systems”, *Journal of Parallel and Distributed Computing*, 65(6), 692-713, 2005.
- Alex Brodsky, “An Impossibility Gap Between Width-4 and Width-5 Permutation Branching Programs”, *Information Processing Letters*, 94(4), 159–164, 2005.
- Alex Brodsky, Stephane Durocher, and Ellen Gethner, “Toward the Rectilinear Crossing Number of  $K_n$ : New Drawings, Upper Bounds, and Asymptotics”, *Journal of Discrete Math*, 262, 2003.
- Alex Brodsky and Nicholas Pippenger, “Characterizations of 1-Way Quantum Finite Automata”, *SIAM Journal on Computing*, 31(5), 1456-1478, 2002.
- Alex Brodsky, Stephane Durocher, and Ellen Gethner, “The Rectilinear Crossing Number of  $K_{10}$  is 62”, *The Electronic Journal of Combinatorics*, 8(1), R23, 2001.

### Conference and Workshop Publications:

- Siegel, A. A., Bragg, T., Brodsky, A., and Poitras, E., ”Exploring the Use of Auto-Grading Systems to Improve the Efficacy of Feedback through Small, Scaffolded Programming Assignments”, In *Proceedings of the 26th ACM Conference on Innovation and Technology in Computer Science Education V. 2* pp. 607-608, June, 2021.
- E. Poitras, S. Bernier, C. Schroeder, N. Nguyen, A. Paulino, C. DeGagne, and A. Brodsky, “The Use of Narrative to Prevent Student Plagiarism in Computing Education”, *Dalhousie Conference on University Teaching and Learning*, (2022).
- Deborah Kiceniuk, Connie Adsett, Alex Brodsky, Bonnie MacKay, Julie Lalande, Janice Fuller, “Enhancing Student Engagement in Applied Science Courses: A Case Study in Computer Science”, *Proceedings of the 31st Annual STLHE Conference*, June 2011.
- Alex Brodsky and Scott Lindenberg, “Our Brothers’ Keepers, Secure Routing with High Performance”, *Proceedings of the 10th International Symposium on Stabilization, Safety, and Security of Distributed Systems*, 2008.
- Alex Brodsky, “Brief Announcement: Our Brothers’ Keepers, Secure Routing with High Performance”, *Proceedings of the 27th Symposium on Principles of Distributed Computing*, 2008.
- Alex Brodsky and Dmitry Brodsky, “Brief Announcement: Trinity, A Distributed Defense Against Transient Spambots”, *Proceedings of the 26th Symposium on Principles of Distributed Computing*, 2007.
- Alex Brodsky and Dmitry Brodsky, “A Distributed Content Independent Method for Spam Detection”, *Proceedings of the 1st USENIX Workshop on Hot Topics in Understanding Botnets*, 2007.
- Alex Brodsky, Faith Ellen Fich, and Philipp Woelfel, “Fully-Adaptive Algorithms for Long-Lived Renaming”, *Proceedings of the 20th International Symposium on Distributed Computing*, LNCS 4167, 413–427, 2006.
- Jan Bækgaard Pedersen and Alex Brodsky, “Approximating the Buffer Allocation Problem Using Epochs”, *Proceedings of the 18th IASTED International Conference on Parallel and Distributed Computing and Systems*, 2006.
- Matei David, Alex Brodsky, and Faith Ellen Fich, “Restricted Stack Implementations”, *Proceedings of the 19th International Symposium on Distributed Computing*, LNCS 3724, 131-157, September, 2005.

Alex Brodsky and Faith Ellen Fich, “Efficient Synchronous Snapshots”, Proceedings of the 23rd Annual ACM Symposium on Principles of Distributed Computing, 70-79, 2004.

Alex Brodsky, “Reversible Circuit Realizations of Boolean Functions”, Proceedings of the 3rd IFIP International Conference on Theoretical Computer Science, 2004.

Dmitry Brodsky, Alex Brodsky, Jody Pomkoski, Shihao Gong, Michael J. Feeley, and Norman C. Hutchinson, “Using File-Grain Connectivity to Implement a Peer-to-Peer File System”, Proceedings of the International Workshop on Reliable Peer-To-Peer Distributed Systems, 2002.

Dmitry Brodsky, Jody Pomkoski, Alex Brodsky, Michael Feeley, Norm Hutchinson, “Exploiting Version Immutability to Simplify File Replication”. Proceedings of the 18th ACM Symposium on Operating Systems Principles, (poster), October 2001.

Alex Brodsky, Dmitry Brodsky, Ida Chan, Yvonne Coady, Stephan Gudmundson, Jody Pomkoski, Joon Suan Ong, “Coping with Evolution: Aspects vs Aspirin?”, OOPSLA Workshop on Advanced Separation of Concerns, October 2001.

Yvonne Coady, Alex Brodsky, Dmitry Brodsky, Jody Pomkoski, Stephan Gudmundson, Joon Suan Ong, Gregor Kiczales, “Can AOP Support Extensibility in Client-Server Architectures?” ECOOP 2001 – Advanced Separation of Concerns Workshop, 2001

**Grants and Awards:** All amounts in Canadian dollars unless otherwise noted.

**SSHRC Explore Grant** with Eric Poitras (PI), Angela Siegel, Stephanie Bernier. ”Improving Student Help-Seeking Skills in Introductory Programming using Teachable Agent Systems.” . Held 2022-2023, \$3,960.

**SSHRC Insight Development Grant** with E. Poitras, A. Siegel, ”Teaching assistant training program: Learning from effective synchronous online tutoring”, Held 2021-2023, \$59,000.

**Open Educational Resources** with Eric Poitras (PI), Angela Siegel, Raghav Sampangi, Alex Brodsky, Stephanie Bernier, ”Mapping learning trajectories in online learning environments: A learning by teaching approach to address common misconceptions in introductory programming”, Held 2021, \$5,528.

**Teaching and Learning Enhancement Grant, Dalhousie University** (PI) with Corey DeGange, Eric Poitras, Stephanie Bernier, ”Prevention of Student Plagiarism in Computing Education: A Narrative-Centered Web-Based Learning Environment”, Held 2021, \$2,960.

**Scholarship of Teaching and Learning Grant, Dalhousie University** with Eric Poitras (PI), Angela Siegel, Alex Brodsky, Stephanie Bernier, ”Providing Metacognitive Scaffolding for Interpreting Problem Prompts in Computing Education: The Faded Worked Example Effecto”, Held 2021, \$1,841.73.

**SSHRC Connection Grant** Co-Investigator, Held 2016-2018, \$50,000.

**NSERC Discovery Grant** Held 2006-2009, value \$14,000 per annum.

**NSERC Post Doctoral Fellowship** Held 2003-2005, value \$40,000 per annum.

**University Graduate Killam Fellowship** Held 2001-2003, value \$23,000 per annum.

**University Graduate Killam Fellowship** Held 1999-2001, value \$23,000 per annum.

**NSERC Post Graduate Scholarship B** Held 1999-2001, value \$19,100 per annum.

**University Graduate Fellowship** Held 1998-1999, value \$10,000.

**Bell Sygma Academic Award** Won in 1997, value \$1,500.

**Federation of Chinese Canadian Professionals** Won in 1996, value \$500.

**Governor General of Canada Bronze Medallion** Won in 1992.

## **Graduate Student Supervision**

**Joseph Howse** MCS, 2010 - 2012 (Graduated)

**Frank He** M.EComm, 2012 (Graduated)

**Diana Paterson** 2013 - 2016 (Incomplete)

**Andrea Winn** 2020 - 2022 (Incomplete)

## **Administration and Service**

**September 2009 - present** Faculty of Computer Science, Dalhousie University

### **Curriculum Committee (Faculty)**

**September 2023 - present** Chair

**September 2022 - August 2023** Chair

**September 2021 - August 2022** Ex Officio

**September 2020 - August 2021** Chair

**September 2019 - August 2020** Chair

**September 2018 - August 2019** Chair

**September 2017 - August 2018** Chair

**September 2015 - August 2016** Chair

**May 2015 - August 2015** Chair

**September 2014 - January 2015** Chair

**September 2013 - August 2014** Chair

**May 2013 - August 2013** Chair

**September 2012 - December 2012** Member

**September 2011 - August 2012** Chair

**September 2010 - August 2011** Chair

**May 2010 - August 2010** Member

**March 2010 - April 2010** Chair

**September 2009 - March 2010** Member

### **Academic Integrity Council (Faculty)**

**September 2023 - Present** Chair

**September 2022 - August 2023** Chair

**September 2021 - August 2022** Ex Officio

**September 2020 - August 2021** Member

**September 2019 - August 2020** Member

**September 2018 - August 2019** Member

### **Undergraduate Committee (Faculty)**

**September 2023 - Present** Member

**September 2022 - August 2023** Member

**September 2021 - August 2022** Ex Officio  
**September 2020 - August 2021** Member (Transfer credits only)  
**September 2019 - August 2020** Member (Transfer credits only)  
**September 2017 - April 2018** Member  
**September 2014 - August 2015** Member  
**May 2016 - August 2016** Chair  
**September 2015 - April 2016** Member  
**September 2014 - August 2015** Member  
**September 2011 - August 2012** Member  
**September 2010 - August 2011** Member  
**September 2009 - August 2010** Member

**Senate Academic Appeals Committee** (University)

**September 2023 - present** Chair  
**September 2022 - August 2023** Chair  
**September 2021 - August 2022** Chair  
**September 2020 - August 2021** Chair  
**September 2019 - August 2020** Chair  
**September 2018 - August 2019** Chair  
**September 2017 - August 2018** Chair  
**September 2015 - August 2016** Chair  
**September 2014 - August 2015** Chair  
**September 2013 - August 2014** Chair  
**September 2012 - August 2013** Chair  
**September 2011 - August 2012** Member  
**September 2010 - August 2011** Member  
**October 2009 - August 2010** Member

**Ad-Hoc Working Group on Holistic Evaluation of Teaching** (University)

**March 2022 - July 2023** Chair

**Undergraduate Academic Programs Subcommittee (UAPSC)** (University)

**September 2020 - February 2021** Member

**Decanal Review Committee for Computer Science** (University)

**September 2021 - July 2022** Member

**Search Committee** (Faculty)

**September 2023 - Present** Chair  
**January 2023 - May 2023** Chair  
**October 2022 - March 2023** Chair  
**September 2020 - December 2020** Chair  
**January 2020 - April 2020** Chair  
**September 2019 - December 2019** Chair  
**January 2019 - April 2019** Chair  
**January 2019 - April 2019** Member  
**October 2017 - July 2018** Chair  
**May 2016 - August 2016** Member

**September 2014 - January 2015** Member

**May 2011 - July 2011** Member

**January 2012 - April 2012** Member

**Minor in Entrepreneurship and Innovation Committee** (University)

**January 2020 - August 2021** Member

**January 2019 - December 2019** Member

**Decanal Review of the Faculty of Computer Science** (University)

**October 2020 - 2021** Member

**Special Task Force on Syllabi Content** (University)

**February 2016 - June 2016** Member

**Curriculum Consulting** (Outside of the University)

**January 2015 - April 2015** Conducted a curriculum assessment for the proposed Bachelor of Science, Computer Science to be offered by the University of Fraser Valley.

**Decanal Review of the College of Continuing Education** (University)

**January 2014 - May 2014** Member

**Dal Apps Contest Organizer** (Faculty/University)

**December 2013 - March 2014**

**December 2011 - March 2012**

**Member, Outreach Committee** (Faculty)

**September 2012 - December 2012**

**Course Coordination, CSCI 1106 and CSCI 1107** (Faculty)

**September 2011 - August 2012** Coordinator

**September 2010 - August 2011** Coordinator

**Manager, Learning Center** September 2009 - August 2010

**September 2005 - July 2009** Department of Applied Computer Science, University of Winnipeg

**Member, Chair Search Committee** September 2008 - July 2009

**Member, Department Personnel Committee** September 2007 - July 2009

**Chair, Department Review Committee** September 2006 - August 2007

**Member, NSERC Scholarship Selection Committee** September 2005 - July 2009

**Member, Department Review Committee** September 2005 - August 2006

**September 1999 - August 2003** Department of Computer Science, University of British Columbia I served on a variety of department committees as the graduate student representative.

## **Professional Activities**

- Member, Association of Computing Machinery (ACM)
- Member, IEEE and IEEE Computing
- Publicity Co-Chair, Symposium on the Principles of Distributed Computing (PODC), 2006
- Publicity Co-Chair, Symposium on the Principles of Distributed Computing (PODC), 2007
- Workshop Co-Chair, Symposium on the Principles of Distributed Computing (PODC), 2008

- Reviewer: Discrete Mathematics, Theoretical Computer Science (TCS), Mathematical Foundations of Computer Science (MFCS), Information Processing Letters (IPL), International Symposium on Algorithms and Computation (ISAAC), Symposium on Theoretical Aspects of Computer Science (STACS), Symposium on the Principles of Distributed Computing (PODC).