

Christian James Muise

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Objective

Seeking post-graduate studies in the field of Computer Science.

Education

PhD of Computer Science

University of Toronto, Toronto, Ontario ▪ 2007-Present

- CGPA of 11.50 / 12.00
- NSERC CGS Award Recipient
- OGS Award Recipient
- Master's Degree Awarded in January, 2009

Bachelor of Computer Science: Software and Computing Minor in Mathematics

Carleton University, Ottawa, Ontario ▪ 2002-2007

- CGPA of 11.19/12.00
- Train-IT Exchange Program to Royal Institute of Technology (KTH), Stockholm, Sweden (Winter 2004)
- Nortel Networks Scholarship for Carleton University

Work Experience

Research/Software Developer (Co-op)

D-Wave Systems, Burnaby BC ▪ May-August 2006

- Worked on a team to design and implement a framework for common problems to be solved with quantum devices
- Developed algorithms and software for solving and translating various NP-hard combinatorial optimization problems
- Extensively researched graph representation techniques and worked on new graphing algorithms in conjunction with researchers from local universities

Research/Software Developer (Co-op)

National Research Council, Ottawa ON ▪ September, 2005 – April, 2006

- Researched various data mining techniques for practical applications
- Assisted in generating a new experiment with researched methods
- Acquired a deep understanding into various data mining and machine learning techniques that are commonly used

Selected Publications

- 'Probabilistically Estimating Backbones and Variable Bias: Experimental Overview' *Principles and Practice of Constraint Programming CP 2008*.

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Skills and Qualifications

Technical Skills

- Programming in C, C++, Python, Java, Javascript, PHP, XML, and HTML
- Competent with all windows platforms and Unix/Linux environments
- Strong understanding of project development and SVN/CVS usage
- Basic knowledge of Ontology Design

Other Skills

- Excellent time-management between extra-curricular activities and scholastic endeavours
- Extremely adaptable and resourceful to different situations
- Very enthusiastic and innovative when tackling a project or problem
- Swift learner through observation

Volunteer Experience

Executive Member and Communications Liaison

Computer Science Society, Ottawa, ON ▪ 2006-2007

- Represented the Computer Science students in the Carleton University Students Association, New University Government, and departmental meetings
- Maintained correspondence between the students and administration staff
- Organized various department-oriented events for the students

Linux Administrator

Carleton Nexus Project, Ottawa ON ▪ November 2003-2007

- Independently acquired the knowledge needed to properly run and maintain a Linux based OS
- Provided various services to the students including web-hosting, project repositories, shell access, etc.
- Developed and maintained websites for students, faculty, and staff

Interests and Activities

- Studied with the Strathclyde Planning Group Present
- Attend weekly strategy board game gatherings Present
- Member of various soccer and ultimate intramural teams Present
- Successful completion of Google's Summer of Code 2005-2007
- Captain of Carleton's ACM programming contest team 2005,2006
- Attended an international study exchange to Sweden Winter 2004
- Enjoyed regular ballroom and salsa dancing classes 2004-2007

References available upon request