

# James Wright

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## Education

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**Master of Science**, Computer Science, University of British Columbia, Vancouver, BC, *expected 2009*

**Bachelor of Science**, Computing Science, Simon Fraser University, Burnaby, BC, *2000*

## Academic Honours and Awards

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- University Graduate Fellowship, University of British Columbia, *2012 – 2013*
- Canada Graduate Scholarship (Ph.D.), Natural Sciences and Engineering Research Council of Canada, *2009 – 2012*
- University Graduate Fellowship, University of British Columbia, *2009 – 2012* (declined)
- Canada Graduate Scholarship (M.Sc.), Natural Sciences and Engineering Research Council of Canada, *2008 – 2009*
- Computing Science Graduation Award (for top graduating student in department), Simon Fraser University, *2000*
- Honour Roll, Simon Fraser University, *1996 (twice) and 1999*
- Open Scholarship (for academic excellence), Simon Fraser University, *1996 – 2000*
- Tadesuz Specht Memorial Scholarship in Science, Simon Fraser University, *1995 – 1996*

## Relevant Work Experience

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**Senior Software Developer**, Bycast Inc., Vancouver, BC, *2006 – 2007*

- Developed algorithms and C++ code for distributed grid storage application

**Research Developer**, Business Objects Inc., Vancouver, BC, *2005 – 2006*

- Part of an effort to implement a Haskell-like language and supporting libraries on the Java Virtual Machine platform
- Worked on a heuristic for measuring the similarity of two types in a Hindley-Milner type system
- Implemented structured source code searching tools
- Implemented automated source code refactoring tools

**Director of Development / Software Developer**, Silicon Chalk Inc., Vancouver, BC, *2001 – 2004*

- Devised and implemented a distributed bandwidth-allocation algorithm for wireless Ethernet adapters (US Patent Application 20050047424)
- Helped to devise and implement an experimental broadcast-based peer-to-peer synchronization protocol (US Patent Application 20040153473)
- Supervised and scheduled a team of 4-9 software developers

**Research Assistant**, Simon Fraser University, Burnaby, BC, 2000

Supervisor: Dr. Binay Bhattacharya

- Devised and implemented scheduling algorithm for experimental multiple-vehicle scheduling system

**Research Assistant**, Simon Fraser University, Burnaby, BC, 1998

Supervisors: Dr. Jim Delgrande and Dr. Arvind Gupta

- Worked on characterizing classes of default theory that always have an extension based on their graph-theoretical representation
- Worked on efficiently updating data structures for temporal reasoning

## Patents

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- N. Hutchinson, T. Coatta, **J. Wright**, "Method and system for managing bandwidth use in broadcast communications", US Patent Application 20050047424, March 3, 2005
- N. Hutchinson, J. Wong, T. Coatta, **J. Wright**, E. Ma, "Method and system for synchronizing data in peer to peer networking environments", US Patent Application 20040153473, August 5, 2004
- N. Hutchinson, T. Coatta, M. Goldberg, R. Kaufmann, **J. Wright**, J. Wong, B. Godin, D. Ferstay, E. Ma, "Method and system for enhancing collaboration using computers and networking", US Patent Application 20040153504, August 5, 2004

## Service – Professional

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- Member of ACM Professions Board, 2005 – Present

## References

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References are available upon request.