

# Baron Lam, B.Eng.Mgmt

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## Work Experience

### Software Developer

*July 2005 – Present IBM Canada Markham, Ontario*

- Develop and unit test new function for WebSphere Commerce Analyzer and Business Intelligence
- Help guide and develop the future strategy of analytics including integration with Coremetrics
- Provide support to internal and external customers for shipped versions of WebSphere Commerce Analyzer

### Software Tester

*May 2004 – August 2004 IBM Canada Markham, Ontario*

- Developed, automated and executed test plans for WebSphere Commerce Analyzer (Business Intelligence) and Commerce Enabled Portals components of WebSphere Commerce
- Heavy use of SQL with IBM DB2 and Intelligent Miner
- Improved data generation accuracy and speed by over 50%

### Software Builder, Developer

*May 2002 – April 2004 IBM Canada Markham, Ontario*

- Completed 16 month internship with WebSphere Commerce at the IBM Toronto Lab and was hired on as a Student-on-Call employee for the 2003/2004 school year on the Build and Development Tools team
- Provided daily WebSphere Commerce builds for test and development teams on Windows, AIX and Solaris platforms using the WebSphere family of products and database management systems such as IBM DB2 and Oracle
- Developed internal WebSphere Application Developer plug-in to improve performance of the development environment by 10%
- Redesigned build processes for an average speed improvement of over 75% which led to a patent application

### Software Developer, Consultant

*Jan. 1998 – April 2002 Millenium Studios Niagara Falls, Ontario*

- Completed 200 hours of co-operative education during 1998/1999 school year
- Duties included, but not limited to, web design, CGI and PHP programming, database administration, web application development, graphic design, CD development and multimedia presentations
- Assisted the firm on a contractual basis when needed, in particular, with their GPS Pursuit project and developing with Microsoft MapPoint using various wireless communication systems

## Education

### **Bachelor of Engineering and Management, Software**

*Sept. 1999 – April 2005      McMaster University      Hamilton, Ontario*

- Completed 5-year Software Engineering and Management degree
- The Engineering and Management program at McMaster offers students a solid business background with courses taken from the core business program, on top of a bachelors degree in Engineering
- Software Engineering is a newly accredited engineering program that takes on programming from an engineering point of view
- Courses taken so far include mathematical and digital logic design, machine language and assembly, software design, control systems, as well as business courses, such as marketing, accounting and economics

## Technical Skills

- Programming Languages
  - Proficient knowledge of Java, J2EE and related technologies and tools
  - Proficient in ANSI C; Working knowledge of C++
  - Talented skills in Korn and BASH shell scripting
  - Functional knowledge in PERL
  - Working expertise in Visual Basic and Microsoft COM programming
- Operating Systems
  - Extensive knowledge of Windows administration and networking
  - Linux Professional Institute (LPI) Level 1 Certified Administrator
  - Proficient knowledge of use and administration on Sun Solaris 8+, IBM AIX 4.3+
- Web Related and E-Business Skills
  - Proficient in (X)HTML, CSS and standards compliant design concepts
  - Use of WebSphere Commerce 5.5+ in B2B, B2C, Hosted Store and Reseller business models
  - Extensive experience in LAMP (Linux, Apache, MySQL, and PHP) environments
  - Expert knowledge in PHP scripting and CGI design
  - Proficient in database design and administration using IBM DB2 7.2+, Oracle 8i+, and MySQL
- Languages
  - Fluent in written and spoken English
  - Fluent in spoken Chinese (Cantonese)
  - Conversational in written and spoken French

## Extra-Curricular Activities

- Sports
  - Ultimate frisbee (McMaster intramural, IBM league, Toronto Ultimate Club, Pull for a Cure charity tournament)
  - Squash, badminton, tennis recreationally with friends
- Travelling
  - Backpacked around Europe for 3 weeks in August 2003
  - Travelled through Asia for 6 weeks in May-June 2005
- Self-teaching new and interesting technologies