

Apartment 407,  
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N2L 6H9

519-880-8482 Daytime & Evening  
je2price@uwaterloo.ca

# John Price

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## Skills

- Extensive experience developing large and small-scale projects using **Java**, its standard libraries and related tools, as well as **Object Oriented Programming** principles
- Experience with **J2EE** APIs, including **JavaMail**, **JMS**, and **Java-XML**
- Understanding of a wide range of network protocols, including **TCP/IP**, and experience implementing proprietary protocols for **mobile and wireless messaging**
- Experienced with **C/C++** including **MFC** and **STL**, and make utilities such as **Make**, **Jam**, and **Ant**
- Familiar writing and deploying **web-based applications** using **JSP**, **TomCat**, and **MySQL**
- Working knowledge of **Perl**, **HTML**, **SQL**, **PHP**, and **UML**
- Familiar with **Windows**, **Macintosh**, and **Unix** platforms
- Demonstrated leadership, project coordination and time management skills
- Excellent oral and written communication skills
- Quick and eager to learn
- High personal standards

## Experience

2000-2002

**Sybase Inc.**

Waterloo, Ont.

Java/C++ Programmer

- Developed application server components for messaging with SMTP, POP3/IMAP, and proprietary networks using UDP
- Implemented client libraries in Java and C++ for a wireless messaging protocol over UDP, including features such as guaranteed delivery, compression, and encryption
- Developed and maintained the Sybase Java Virtual Machine
- Responsible for the design and implementation of virtual machine features including dynamic user-defined class loading and security managers
- Primary developer responsible for implementing support for the Java 2 platform within the virtual machine
- Implemented support for Sun's Java SDK 1.3.0

2002-Present

**University of Waterloo**

Waterloo, Ont.

Second Year Computer Science Instructional Support

- Assisted students in learning and understanding material for a second year CS course, focusing on data-structures and algorithms
- Designed and implemented sample solutions in Java for course assignments
- Wrote and maintained course related scripts in both KSH and Perl
- Created automatic marking scripts to test and evaluate student's submitted assignments

1999–2000                      **University of Waterloo**                      Waterloo, Ont.

First Year Computer Science Instructional Support

- Responsible for teaching one class (60 students) per week on the Java language and Object Oriented concepts
- Developed course materials and assignments in Java
- Actively participated in course development and consistently offered suggestions for improvements
- Maintained the course web site, including HTML documents, CGI scripts, and marks database

## Education

1998–Present                      **University of Waterloo**                      Waterloo, Ont.

- Bachelor of Mathematics - Graduating Dec. 2002
- Recipient of the Weigand Foundation Scholarship, 2000

### Completed Coursework Includes:

Computer Networking	Data Compression
Data Structures	Object Oriented Design
Encryption & Security	Hardware Design

1993-1998                      **West Hill Secondary School**                      Owen Sound, Ont.

- Graduated an Ontario Scholar
- One of three recipients of a School Letter for extensive participation in extra-curricular activities
- Received award for proficiency in OAC Computer Science

## Leadership Activities & Interests

- Open Source Java Client development for [www.livejournal.com](http://www.livejournal.com), 2001
- Village Council House Speaker for University Residence, 1998-1999
- Past member of Waterloo University Choir, Georgian Bay Symphony, Georgian Bay Concert Choir, and numerous high school choirs and bands
- Editor In Chief, West Hill Secondary School Yearbook, 1998. Voted Best Yearbook in Canada by Friesen's Yearbooks
- Past President, West Hill Secondary School Student Council
- Enjoy Java Programming, music, skiing, reading, collecting records and CDs, and playing the piano, guitar and trombone.

## References

**Shannon White**  
Software Developer  
Sybase Inc.  
(519) 883-6465

**Andy Quick**  
Software Developer  
Sybase Inc.  
(519) 883-6391

**Chris Ingram**  
Instructor  
University of Waterloo  
(519) 888-4567 x6816