

IVAN MINEVSKIY

(604) 585-9617, minevskiy@gmail.com, www.cs.ubc.ca/~ivan

SUMMARY OF QUALIFICATIONS

- ❖ Adaptable, quick to learn, a hard worker
 - ❖ M.Sc. Computer Science from the University of British Columbia
 - ❖ Research focus in Web Services and Aspect-Oriented Programming
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EDUCATION

2004 – 2006 GPA 91%	University of British Columbia, Vancouver, BC. <i>M.S. Computer Science</i> specializing in <i>aspect-oriented</i> software engineering and programming languages.
2001 – 2004 GPA 88%	University of British Columbia, Vancouver, BC. <i>B.S. Honours in Computer Science</i> with the Software Engineering option.

EXPERIENCE

09.2005 – Present	<i>Master's Thesis</i> , University of British Columbia. Developed a <i>new Java based aspect-oriented language for XML transformations</i> which helps to better modularize transformations of SOAP messages at the server-side. It performs automatic content conversion to XMLBeans, allows type checked content modification, and has a first-class support for pointcuts defined on XML content (in Java). A part of the thesis resulted in a separate library for <i>addressing parts of an XML Schema document with an XPath expression</i> written for instances of that Schema. The library may be used, for example, to get at compile-time an approximate set of nodes that will be matched at run-time ("xpath-on-schema" project at SourceForge).
05.2005 – 08.2005	<i>Intern</i> , Asynchronous Design Group, Sun Labs, Menlo Park, CA, USA. Designed and implemented a <i>graphical user interface</i> for a Layout-vs-Schematic tool, which is now a part of the open-source Electric VLSI Design System (in Java Swing).
09.2002 – 04.2005	<i>Teaching Assistant</i> in Computer Science classes at the University of British Columbia. (Software Engineering, Databases, Functional and Logic Programming).
04.2004 – 06.2004	Built my personal <i>e-commerce website</i> using ASP/IIS/SQL Server.
09.2003 – 04.2004	<i>Honours Thesis</i> , University of British Columbia. Developed a <i>secret sharing scheme</i> with several extra features (in Java).
01.2003 – 04.2003	<i>Lead Software Developer</i> . On demand of Baltimore Technologies, Toronto, designed and built an <i>Eclipse Test Manager plug-in</i> on top of JUnit in a team of seven students (in Java).

MAJOR COURSE PROJECTS

UI Design (team of 4 students)	Designed, evaluated, and created a prototype of a new navigation system for the University Bookstore website. Conducted user studies.
Software Engineering (team of 4 students)	Designed and built a <i>syntax colouring plug-in for Eclipse</i> with highlighting rules stored in XML files (in Java).
Operating Systems (team of 2 students)	Developed a basic <i>operating system</i> with process scheduling, inter-process communication, and a keyboard driver (in C).
3D Graphics	Designed and implemented a <i>3D shooter game</i> (in C++ with OpenGL).
Bioinformatics	Implemented and compared <i>two protein alignment algorithms</i> (in Java).

COURSEWORK AREAS

- ❖ Software Engineering, Programming Languages, Compiler Construction
- ❖ Algorithm Design and Analysis, Algorithms for Bioinformatics, Theory of Computing, Number Theory, Graph Optimization, Numerical Computation and Approximation
- ❖ Operating Systems, Distributed Systems, Computer Networks, Relational Databases
- ❖ Computer Graphics, User Interface Design

COMPUTER SKILLS

Languages: Java, AspectJ, C, C++, Scheme, Assembler; XML, UML

Scripting: Ant, Perl, Unix Shell Scripts, Javascript

Databases: Oracle 8i, MS SQL Server 2000, JDBC API

Environment: Eclipse, MS Visual Studio

Web: TCP/IP, HTTP, HTML, PHP, Servlets, JSP, JSTL, JSF, Struts, CSS, JS, XML Schema

- **Web Servers:** Apache Tomcat 5.5, SJSAS PE 9.0, IIS 4
- **Web Services:** SOAP, WSDL, Axis, WSS4J, WS-Security

Language Recognition: ANTLR, JFlex, JavaCUP

Development Platforms: Unix, Linux, Windows

Tools: Rational Rose, CVS, JUnit, MATLAB, XMLBeans

Other: Distributed Systems, Multithreaded Programming, OpenGL

SCHOLARSHIPS AND AWARDS

- ❖ *Undergraduate Scholar Program Scholarship* - Renewable UBC scholarship awarded to top 15% students in each faculty, 2001-2004.
- ❖ Member of the *Golden Key International Honour Society* since 2002.
- ❖ UBC Science *Dean's Honour List*, 2001-2004.

PERSONAL

Languages: English (Fluent), French (Intermed.), Russian (Native), Ukrainian (Advanced).

Hobbies: swimming, gym, skiing, and tennis.

REFERENCES

Available upon request.