

# Jim Roepcke

**Phone:** (250) 884-9424 106 Stoneridge Close  
**Web:** <http://jim.roepcke.com/> Victoria, British Columbia  
**Email:** [jim@roepcke.com](mailto:jim@roepcke.com) Canada, V9B 6M5

## Education

### University of Victoria, Victoria, BC

September 1993 - August 1994, Summer 1998, September 2004 - Present

B.Sc. in Computer Science, Graduated with Distinction May 2008

Currently enrolled in the M.Sc. program in Computer Science

### Big Nerd Ranch, South San Francisco, CA

January 2002

Programming Mac OS X with Cocoa

### Apple Enterprise Training, Cupertino, CA

March - April 1999

Programming WebObjects I

Programming WebObjects II

### Spectrum Community Secondary School, Victoria, BC

June 1993

Graduated with Honours Standing

## Computer Skills

### Programming Languages

Java  
Objective-C  
C  
Python  
Ruby  
Visual Basic / VBScript  
Pascal / Object Pascal  
UNIX Shell Scripting  
JavaScript  
Prolog  
Erlang  
Haskell  
UserTalk  
HyperTalk  
AppleScript

### Development Tools

Apple Xcode and WebObjects  
Eclipse  
NetBeans  
gcc  
Frontier  
Poseidon for UML  
HyperCard

### Databases

Microsoft SQL Server 6.5, 7.0  
Oracle 8i  
PostgreSQL  
MySQL  
OpenBase  
FrontBase

### Operating Systems

Mac OS X 10.4 Server  
Mac OS X 10.0 - 10.5.6  
Windows NT4/2000/XP  
Ubuntu and Fedora Linux  
IBM OS/2  
BeOS  
OpenStep

### Networking Services

Apache Web Server  
Apache Jakarta Tomcat  
IIS 3.x - 5.x  
Cyrus IMAPd  
Mailman  
Zope, Plone

## **Recent Work Experience**

### **First Peoples Cultural Foundation: WebObjects/Java application development**

June 2006, June 2007, December 2007 - January 2008, Summer 2008, contractor

- Implemented four XML-producing WebObjects applications that integrate with Flash-based games.
- Migration of FirstVoices applications to Java 1.5, WebObjects 5.4, Eclipse and Subversion.

### **JSO Solutions: Plone Content Management System implementation**

August 2005, August 2006, sub-contractor

- Integrated custom design and functionality for the WorkSourceAustin and GDAACC web sites.

### **Tyrell Software Corporation: WebObjects/Cocoa/Plone/Java Engineering**

February 2002 – January 2007, full-time until July 2004, then a contractor during summers

- Presented a 90-minute Python Tutorial at the First International Plone Conference in New Orleans.
- Development of a Zope3-based Plone application that uses a PostgreSQL database.
- Development on B2C auction web site using Hibernate, Tapestry, Spring, Eclipse.
- Senior Architect and lead developer on secure, multi-threaded, network-oriented, WebStart-deployed Java Swing application with custom Java Servlet back-end for major movie studio.
- Led many Plone CMS implementations. Deployed many web sites using Plone 1.x, Plone 2.x.
- Created and maintained the Plone Installer for Mac OS X from 1.0 through 2.1.2.
- Assisted in porting the OpenNMS network management system to Mac OS X.

### **NetStruxr Inc.: WebObjects Engineering**

March 2001 - January 2002, full-time

- On a world-class team of WebObjects developers, I contributed to the engineering effort for SPACEdirect 2.0, 2.1, 2.2 and 2.3 using WebObjects and its rule-based Direct To Web framework.
- Designed and implemented many new features for the SPACEdirect applications.
- Contributed to the open source Project WONDER frameworks for WebObjects.

### **WROX Press: WebObjects Technical Author**

July 2001 - September 2001, contractor

- Wrote 1.5 chapters about Direct To Web for the book “Professional WebObjects 5.0 with Java”.

### **M. Onyschuk and Associates: Manager of Operations, West Coast Office**

February 2000 - August 2000, full-time

- Designed and implemented a distributed, load-balanced XML-RPC client and server architecture in Java, with client-side wrapper classes for WebObjects and a Java wrapper for a Win32 C-API convertible-bonds calculation DLL.
- Designed and implemented a multi-protocol data router system for scheduled and on-demand data transfer and transformation. Embedded the Mozilla Rhino JavaScript engine for data transformation.

### **Centre for Education Information (CEISS): Senior Systems Analyst, Web Services**

August 1997 - December 1999, contract and full-time

- Lead architect of the redesigned PASBC service, which provides online admission forms for the majority of public colleges and universities in British Columbia. The system was written in Objective-C using WebObjects 4.0.1, using Oracle and Netscape Enterprise Server.
- Developed a two-day UserLand Frontier training course, and delivered it to a group of 9 students.

## About Me

I am **passionate** about software, programming, and online communication.

A day doesn't go by without learning about software development, from online sources or from my growing personal library. I enjoy keeping current with industry and academia, and believe it's critical for serious software developers to be informed about current trends and ideas. I am a student member of the Apple Developer Connection (ADC) and the Association for Computing Machinery (ACM).

I have maintained a personal weblog, "have browser, will travel", since June of 1999. When I started weblogging, approximately 300 weblogs were known on the web.

At the University of Victoria, I was associated with the Computer Science Course Union for several years, holding the positions of Webmaster and Vice President. Through this group, I served on the Computer Science department's Curriculum, Web, and Teaching Infrastructure Committees.

## Other Skills

### Communication Skills

My writing skills are excellent, and I am a clear, confident speaker. I am comfortable speaking in front of an audience, and can facilitate meetings and brainstorming sessions. I enjoy communicating with others. I am an effective note-taker, and thrive in distributed, collaborative work environments.

I am very good at determining a client's needs through listening and carefully asking questions. Past employers often wanted me at client-facing requirement gathering meetings because I can help clients better understand their needs, design options and the benefits and risks involved with design choices.

### Interpersonal Skills

I am a friendly, polite person, with a positive attitude. I work well with others, and deal with uncomfortable situations in a careful, professional manner.

### Learning Skills

I have a high capacity for learning, pick up new skills and concepts quickly, and thrive on challenges. Enthusiasm and creativity give me an edge on tough projects. Many consider me an "out of the box" thinker.

### Problem Solving Skills

My tenacious analytical skills help me troubleshoot problems and discover root causes.

## Awards and Scholarships

### University of Victoria

President's Scholarship, 2007  
University of Victoria Fellowship, 2008

### Apple Developer Connection

WWDC Student Scholarship, 2005 and 2007

### Ministry of Multiculturalism Scholarship

All expenses paid, three-month trip to Kyoto to study Japanese culture, 1992

### University of Waterloo National Mathematics Competition

Certificate of Distinction, 1991