

# Brian Birtles

Email: birtles@gmail.com

Born: 17th May 1981

Nationality: Australian



## Education

2000 – 2005 **Bachelor Engineering (Software), Diploma Engineering Practice with First Class Honours, University Medal (AEQ)**  
University of Technology, Sydney. Faculty of Engineering.

Awards Alan Chappel Engineering Innovation Prize 2005  
Dean's Award for Outstanding Academic Performance 2005  
Member of Faculty of Engineering Dean's List 2000, 2001, 2003 and 2005  
AIM Pty Limited Prize 2000 (Electrical Engineering)  
2000 Insearch Limited, UTS Co-operative Engineering Scholarship

## Employment

Dec 08 – Jan 09 **Mozilla corporation, Auckland, New Zealand**

*Consultant Software Engineer*

Completed initial implementation of SVG Animation (SMIL) in Mozilla Firefox, a component I designed and developed over many years as a university project.

Experience in browser development, performance tuning, large-scale C++ development, SVG, and SMIL (declarative animation).

Aug 07 – Dec 07 **export-japan.com, Osaka, Japan**

*Programmer*

Developed and maintained internationalised Web applications in Japanese, English, Korean, and Chinese.

Extensive experience with multilingual Web development, PHP, Drupal, Apache, JavaScript, and CSS.

Feb 05 – Jan 07 **Canon Information Systems Research Australia, Sydney**

*Standard Software Engineer*

Developed C++ components for desktop rendering applications.

Team lead for SVG technologies including implementing all components for SVG parsing and serialising, Unicode processing, multi-namespace XML parsing and serialising, and DOM manipulation.

Advised team on and produced many features related to multilingual information processing including oriental text layout and font cataloguing.

Extensive experience with rendering systems, API design, large-scale C++ techniques, and UML modelling.

Developed and maintained project build system and SVG test suite.

Jul 03 – Jan 04 **Siemens Mobile Phones A/S, Aalborg, Denmark**

*Trainee Software Engineer for the embedded Java team.*

Developed the Java interface to the built-in camera for Siemens 65-series mobile phones using Java (J2ME and KNI) and C according to the JSR-135 standard.

Received largest-awarded extraordinary bonus for my teamwork and professional competency.

Apr 00 – Dec 02 **SolutionsFirst.Net Consulting, Sydney**

*Contract Software Engineer for web-based systems.*

Performed analysis, design, implementation and deployment of many Web applications for various commercial and governmental clients.

Extensive experience with PHP, MySQL and Apache.

Jan 01 – Jul 01 **Insearch UTS Ltd, Sydney**

*Software Engineer in Applications Support division.*

Introduced and managed a very successful project to automate attendance recording using optical mark recognition (OMR) technology.

Conducted staff training sessions in using Crystal Reports.

Maintained operational systems using Visual Basic, SQL Server and

Microsoft Access and provided technical support to staff.

## Other projects

Ported FreeRTOS to the ColdFire platform, and wrote a plugin for the trac issue-tracking system in Python.

## Languages spoken

Basic conversational Japanese. Attained Japanese Language Proficiency Test (JLPT) Level 3 in December 2007.

Conversational Danish. Attained Almenprøve 2 in December 2003 certifying that I am able to work in a Danish-speaking job.

## Service and interests

Involvement with local church including teaching adults and children, leading on childrens' camps and volunteer work in China and Hong Kong.

Interests include surfing, swimming, and writing songs on the piano.