Craig Anslow

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New Zealand Citizen

Research Areas

Software visualization, software engineering, design patterns, information visualization, human computer interaction, and user interfaces.

Education

Victoria University of Wellington, New Zealand
PhD Candidate, Computer Science, 2008
MSc, Computer Science, 2006-2007
BSc (Honours), First Class, Computer Science, 2002-2003
BSc, Computer Science, 1999-2002

Awards

Telstra Clear Postgraduate PhD Scholarship, 2008-2010
University of Auckland, Computer Science PhD Fellowship (Declined)
Stratex Networks Graduate MSc Scholarship, 2007
School of Mathematics, Statistics and Computer Science Research Grant, 2004
Faculty of Science Small Research Grant, 2003
School of Mathematics, Statistics and Computer Science Grad Scholarship, 2002 - 2004

Professional Experience

Research Intern　　　　　　　　　　　　　**June, 2007 - January, 2008**
SAP Research　　　　　　　　　　　　　　　　Palo Alto, California, USA
Integrating wiki technology into SAP business applications.

Software Developer　　　　　　　　　　　**October, 2005 - October, 2006**
Unisys　　　　　　　　　　　　　　　　　　　Wellington, New Zealand
Developed a batch processing system for a real time telecommunications billing software development project. The size of the team was 15 people. The development environment used was J2EE with a Spring application layer framework. The Quartz framework was used to schedule events in the system while the Hibernate framework was used to map the object-oriented domain model to the SQL Server database.

Maintained a telecommunications subscriber provisioning ASP web application. Implemented a change request to lookup information from a text file and compare the result with a query from another system. If the information matched then the original intended function was able to be performed.

Provided 24x7 service support for bank customers using Integrated Voice Response (IVR) phone applications in a Nortel Networks Voice Processing System (VPS) and UNIX Solaris environment.

Change Coordinator　　　　　　　　　　**February, 2005 - October, 2006**
Unisys　　　　　　　　　　　　　　　　　　　Wellington, New Zealand
Provided Information Technology Infrastructure Library (ITIL) change, release and configuration management services to Government infrastructure clients including releases of software, changes to server infrastructure, and server configuration. Developed processes for a leverage model including user moves, capturing innovative ideas, building servers, and creating statements of work within Unisys' business systems management framework.

Web Developer   **April, 2003 - December, 2004**

Marketing Group, Victoria University   Wellington, New Zealand

Provided technical web expertise to Schools and Faculties to develop their web sites and enhance Victoria University's corporate web site, as defined in the University's Web Publishing Policy. Maintained and configured the University web servers. Developed and maintained the staff directory, student and staff intranets which retrieved information from SQL server databases using C# programs.

Web Developer   **March, 2001 - April, 2003**

Faculty of Science, Victoria University   Wellington, New Zealand

Developed and maintained the Faculty of Science, Te Ropu Awhina Putaiao, MacDiarmid Institute, and New Zealand Vice-Chancellors Committee (NZVCC) web sites. Published content, ranging from organizational information to services offered, on a weekly basis.

Life Guard Team Leader   **October, 2001 - March, 2002**

Summer Pools, Wellington City Council   Wellington, New Zealand

In charge of a team of six full time people. Supervised activities of patrons in a safe manner, provided competent lifesaving and first aid techniques when required, assisted in pool programs & procedures, and maintained the facilities.

Teaching Experience

Teaching Assistant   **March, 2001 - October, 2003**

Computer Science, Victoria University   Wellington, New Zealand

Prepared tutorials, organized help-desks, marked assignments for the following computer science courses:
COMP130 Introduction to Computers and Applications (2001)
COMP301 Software Engineering Principles (2003)
COMP302 Databases (2002)
COMP389 Software Engineering Project (2002 and 2003)

Swimming Instructor   **February, 1999 - March, 2002**

Keith Spry Pool, Wellington City Council   Wellington, New Zealand

Provided a quality aquatic education service to preschool and school aged children. This included giving effective customer care and consideration for aquatic facilities, assisting in the planning, implementation and evaluation of programmes.

Teaching Assistant   **January 1998 - December 1998**

Queen Victoria School   Dunblane, Scotland, United Kingdom

I was a house master in one of the boys boarding houses and coached rugby in the physical education department. I assisted with cultural activities, junior mathematics classes, school outings, and sports fixtures.

Publications

Refereed Conference Papers

Craig Anslow, Stuart Marshall, James Noble, and Robert Biddle. X3D Software Visualization. In Proceedings of the New Zealand Computer Science Research Student Conference (NZCSRSC), 2007.

Craig Anslow, Stuart Marshall, Robert Biddle, James Noble, and Kirk Jackson. XML Database Support for Program Trace Visualization. In Proceedings of the Australasian Symposium on Information Visualization (INVIS), 2004.

Stuart Marshall, Kirk Jackson, Craig Anslow and Robert Biddle. Aspects to Visualizing Reusable Components. In Proceedings of the Australasian Symposium on Information Visualization (INVIS), 2003.

Refereed Films
Craig Anslow, James Noble, Stuart Marshall, and Robert Biddle. X3D Software Visualization in Action! In Proceedings of the the Onward! Films Track at the ACM SIGPLAN International Conference on Object-Oriented Programming, Systems, Languages, and Applications (OOPLSA), 2007.

Refereed Posters
Craig Anslow, Stuart Marshall, James Noble, and Robert Biddle. VET3D: A Tool for Execution Trace Web 3D Visualization. In the Companion of the ACM SIGPLAN International Conference on Object-Oriented Programming, Systems, Languages, and Applications (OOPLSA), 2006.

Craig Anslow, Stuart Marshall, James Noble, and Robert Biddle. Evaluating X3D For Use in Software Visualization. Poster. In ACM Proceedings of the Symposium on Software Visualization, 2006.

Refereed Workshop Papers
Craig Anslow, Stuart Marshall, and James Noble. X3D-Earth in the Software Visualization Pipeline. In the X3D-Earth Technical Requirements Workshop, 2006.

Craig Anslow, Stuart Marshall, James Noble, and Robert Biddle. Software Visualization Tools for Component Reuse. In Proceedings of the Method Engineering for Object-Oriented and Component-Based Development Workshop, at OOPSLA, 2004.

Technical Reports and Miscellaneous
Craig Anslow, James Noble, Robert Biddle, and Stuart Marshall. X3D Web Based Algorithm Animation. School of Mathematics, Statistics, and Computer Science, Computer Science Technical Report, 2007.

Craig Anslow. Web 3D Software Visualization, IET Short Papers Competition, 2006.

Craig Anslow, Stuart Marshall, Robert Biddle, James Noble, Kirk Jackson, and Mike McGavin. Program Trace Formats for Software Visualization. School of Mathematics, Statistics, and Computer Science, Computer Science Technical Report, 2006.

Craig Anslow, Stuart Marshall, Robert Biddle, James Noble, and Kirk Jackson. Program Trace Visualization, School of Mathematics, Statistics and Computer Science, Computer Science Technical Report, 2004.

Stuart Marshall, Kirk Jackson, Craig Anslow, and Robert Biddle. Aspects to Visualizing Reusable Components, School of Mathematics, Statistics and Computer Science, Computer Science Technical Report, 2002.

Craig Anslow. XML Database Support for Program Trace Visualization. School of Mathematics, Statistics, and Computer Science, Victoria University of Wellington Honours Report, 2002.

Organization	5th New Zealand Computer Science Research Student Conference (NZCSRSC), Hamilton, New Zealand. Organizing and program committee member, April 2007.
	ACM International Conference on Object-Oriented Programming, Systems, Languages, and Applications (OOPLSA). Student volunteer captain (2007), senior student volunteer (2006), and student volunteer (2004).
Invited Talks	X3D Web Based Software Visualisation. Department of Computer Science, University of Auckland. June, 2007.
	X3D Software Visualisation. School of Mathematics, Statistics, and Computer Science, Victoria University of Wellington. April, 2007.
	Web 3D Software Visualization. IET Short Papers Competition, Wellington. September, 2006.
	Evaluating X3D for use in Software Visualization. Elvis Software Design Research Group, Victoria University of Wellington. September, 2006.
	Software Visualization Tools for Component Reuse. Imperial College, London. November, 2004.
	What we did for our Honours Projects. School of Mathematics, Statistics, and Computer Science, Victoria University of Wellington. March, 2003.
	Aspects to Visualizing Reusable Components. School of Mathematics, Statistics, and Computer Science, Victoria University of Wellington. January, 2003.
Professional Membership	Association of Computing and Machinery (ACM) Student Member, and NZ Chapter Web3D Consortium Wellington Java Users Group Wellington .NET Users Group
Technical Skills	Languages: Java, C++, C#, C, Perl, SQL, UML, LaTeX Graphics: X3D, SVG, Java3D Internet: HTML, XML, PHP, ASP.NET, JavaScript, JSP, CSS, SOAP, XQuery, XSLT Operating Systems: Windows XP, NetBSD, Sun Solaris, Linux (Debian, SuSE, Ubuntu)
Interests	Ultimate Frisbee, Cycling, Rugby, Music, Swimming, Travel, Water-skiing
Referees	Dr. James Noble Professor of Computer Science School of Mathematics, Statistics, and Computer Science Victoria University of Wellington, New Zealand Phone: +64 4 463 6736 E-mail: kjx@mcs.vuw.ac.nz
	Dr. Robert Biddle Professor of Computer Science Human-Oriented Technology Laboratory Carleton University, Canada Phone: + 1 (613) 520 2600 (ext. 6317) E-mail: Robert_Biddle@carleton.ca

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Dr. Dirk Riehle
Senior Research Scientist
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Tim Hogan
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Unisys
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E-mail: Tim.Hogan@nz.unisys.com