

# Resumé

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Nationality	Australian

## Higher Education

### **Queensland University of Technology**, Brisbane, Australia.

Doctor of Philosophy - January 2006 to December 2008 (expected completion)

**Title:** Reconciliation of Object-Oriented and Process-Oriented Approaches to Information Systems Engineering.

**Publications:**

G. Redding, M. Dumas, A.H.M. ter Hofstede, A. Iordachescu, *Transforming Object-oriented Models to Process-oriented Models*, to appear: Business Process Management Workshops, Brisbane, Australia, September 24-28 2007.

G. Redding, M. Dumas, A.H.M. ter Hofstede, A. Iordachescu, *SWS FlowConnect Control Flow Pattern Support*, available from: <http://www.workflowpatterns.com/vendors/flowconnect.php>

### **Queensland University of Technology**, Brisbane, Australia.

Master of Information Technology (Research) - March 2004 to November 2005

**Dissertation:** A Preliminary Formalism for Variable Coupling in Agile Systems.

**U.S. Patent Publication:**

#20060155868 “*Distributed System Architecture for Variable Coupling*”

### **Murdoch University**, Perth, Australia.

Bachelor of Software Engineering - February 2000 to November 2003

**Honours Thesis:** SAP Loading Sensing Project.

Upper Second Class Honours (2A Hons)

**U.S. Patent Publication:**

#20040254759 “*State Tracking Load Storage System*”

# Relevant Work History

## **Developer, QUT**

April 2005 - August 2005

YAWL Visualisation Component

Supervisor: Dr. Ross Brown

Developed a Java Applet that enables three different views of a YAWL (*Yet Another Workflow Language*) worklist that includes a spacial, temporal, grid and list view of work items. The aim of this project was to investigate techniques of merging the resource perspective in YAWL with a visualisation to improve peoples ability to manage their work allocation effectively by comparing several views of the same worklist. This work is the runtime implementation of the research presented in the following paper:

R. Brown and H. Paik, Resource-Centric Worklist Visualisation, *CoopIS'05*, Agia Napa, Cyprus, 31<sup>st</sup> Oct - 4<sup>th</sup> Nov 2005

## **Research Assistant, QUT**

April 2004 - April 2007

YAWL XForms Project

Supervisor: A/Prof. Arthur H.M. ter Hofstede

Responsible for the initial design and development of the “YAWLXForms” user interface component for YAWL, a Tomcat web application based upon the open source XForms project “Chiba” to dynamically create validating XForms for the input and submission of work items in YAWL. At the time this replaced the need to directly edit XML for work item input, thereby improving the ease of use, robustness and presentation of YAWL.

This project is available at: <http://sourceforge.net/projects/yawl/>

## **Intern, SAP Research**

January 2003 - July 2003

Computer Engineering Centre

Karlsruhe, Germany

Supervisor: Dr. Uwe Kubach

Developed a Java software prototype that demonstrated how the concept of taking real-time weight measurements using load sensors could be applied to track inventory through supply chains in retail and warehouse scenarios. The prototype was presented as an Innovation Pavilion technology demonstration to SAP customers and partners at *Sapphire 2003* held at Orange County Convention Centre in Orlando, Florida, which I attended as a demonstrator. This internship project was also the foundation of a patent application:

- U.S. Patent Publication #20040254759 “*State Tracking Load Storage System*”.

For this project I was awarded with the “*Best Student Project*” at SAP Research for 2003.

## **Technical Assistant, Murdoch University**

2001 - 2002

School of Engineering

Supervisor: Dr. Martina Calais

Assisted with the preparation of practical experiments to demonstrate applications of renewable energy as part of a series of One-Day Engineering Experience Open Days for the Murdoch School of Engineering. Participated with students to complete the various experiments.

## **Tutor, Murdoch University**

2001 - 2002

School of Engineering

Supervisor: Dr. Peng Lam

Assisted students to understand object-oriented programming concepts and develop skills using Java and C++ for three Engineering Computing units (I, II and III).

# Professional Skills

**Languages:** Java (J2SE, J2EE, JSP), C/C++, Visual Basic, Ant, SQL, UML, ORM, HTML, XML, XSLT, CSS, XHTML.

**Operating Systems:** Windows 95/98/NT/2000/XP, Linux.

**Applications:** Eclipse, Visual Studio, Tortoise SVN, Tomcat, CPN Tools, L<sup>A</sup>T<sub>E</sub>X, NORMA.

**Miscellaneous:** TCP/IP network management skills, working knowledge of software configuration management, strong verbal and written communication skills, great team player, excellent code design, troubleshooting and debugging skills.

# Affiliations

**Institution of Engineers, Australia** - Graduate Member

**Australian Computer Society** - Student Member

# Previous Involvements

## **Talented and Gifted Student Program (TaGS)**

Northam Senior High School  
January 2001 - November 2002  
Mentor

## **Murdoch Engineering Students Society (MESS)**

February 2001 - November 2001  
Secretary / Web Monkey

# Special Interests

Climbing, Basketball, Surfing, Squash, Tennis and Soccer

Music, Scrabble, Chess, Strategy and Action Games

Aviation, Travel and Foreign Language

# Referees

## **Work**

Dr. Uwe Kubach  
Director - SAP Research Centre  
Dresden, Germany  
E: uwe.kubach@sap.com

## **Academic**

A/Prof. Arthur ter Hofstede  
Business Process Management Cluster  
Faculty of IT - QUT  
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