

Christopher D. Smith

Contact Details:

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Objectives:

To work in a new and challenging role which will provide the opportunity for me to apply my existing skills to new tasks and problems. I would also like the chance to extend my experience using alternate development strategies and technologies.

Key Competencies:

- Software Engineering, including experience in:
 - C, C++, Visual Basic, Java, LISP, other in-house languages
 - Network-oriented GIS development
 - Oracle (SQL, basic administration)
 - UML (Rational Rose)
 - Rational ClearCase, CVS
 - AutoCAD (plugin development)
 - MS Office development
- Web Technologies including:
 - XML and related technologies (XSL, XSD, XML Schema)
 - HTML and related technologies (HTML, XHTML, CSS, Coldfusion, PHP)
 - Java, Java Enterprise Beans
- Database Design and Administration including:
 - Oracle 8, 9 and 10
 - MS Access
- Communication Skills, including experience in:
 - Product demonstrations
 - Product delivery
 - On-site consulting
 - Documentation
- Team-work Skills
 - Working on large scale software projects with multiple simultaneous developers
 - Quickly integrating with customer's staff while contracting

Professional Experience:

November 2001 → to present: Software Engineer

SPATIALinfo Pty Ltd, Melbourne, Australia

Worked as part of the company's core development team on continuing development of their Network GIS toolkit. Particular areas of focus were fibre network modelling, Inside-Plant modelling, report generation, XML/XSL, automated drafting and quality assurance applications. Also involved in customising the toolkit to deliver specific applications for a variety of customers. Role also included several months of on-site time with customers in the United States performing product demos, delivering products, developing tools and consulting on various projects. In particular, these consulting roles focused on rapidly understanding complex systems, debugging them and enhancing them.

Technologies used: C, C++, SQL, HTML, XHTML, CSS, XML, XSL, XSD Schemas, Visual Basic, MS Office development (including Access, Excel and Word), Oracle 8->10 development and basic administration, Oracle Spatial, AutoCAD development (LISP, VBA, Arx), UML and OO Modelling (Rational Rose), Revision control systems (Rational ClearCase, CVS), ColdFusion, MapGuide. Also limited exposure to ArcGIS, MapInfo and other GIS related tools.

Skills used: Software development, GIS development, Communication Skills (Product demonstrations, product delivery, on-site consulting, documentation), Team-work Skills (working on large scale software projects with multiple simultaneous developers, quickly integrating with customer's staff while contracting)

July 2001 → November 2001: Head Tutor – Web Design & Digital Media

RMIT University, Melbourne, Australia

Headed a team of 5 tutors in the subject "Web Programming & Digital Media". Duties included: Teaching in a class-room setting to both undergraduate and postgraduate students, preparing solutions for weekly tutorial exercises, managing and assisting tutors and responding to student queries.

Skills used include: Communication skills, Java/Web technology, Image Processing

December 2000 → November 2001: Technical Assistant – Software (Part Time)

SPATIALinfo Pty Ltd, Melbourne, Australia

Worked, as part of a team of 2, in a co-operative research project between SPATIALinfo and RMIT University. Research title was: "Investigation and Prototyping of Web Base GIS solutions for the delivery of network oriented spatial data"

Skills used include: J2EE, XML, XSL, Schemas, OpenGIS Standards, SVG, Oracle 8i, Oracle Spatial, UML and OO Modelling, Project Management.

January 2000 → March 2001: Technical Assistant – Software (Part Time)

SPATIALinfo Pty Ltd, Melbourne, Australia

Assisted in the testing and repair of software and data

Skills used include: Problem Solving, UNIX

December 1999 → to present: Consultant – Database Design & Implementation

Friends of the Royal Botanic Gardens, Growing Friends Nursery, Melbourne, Australia

Consulted to the nursery to design, implement and maintain a Microsoft Access database to store the nursery's inventory and Species knowledge base.

Skills used include: Communication skills, requirements gathering, database design, Microsoft Access, Microsoft Visual Basic for Applications.

Academic Record:

1997 → 2001: RMIT University, Melbourne

B. App. Sci. (Computer Science) with Distinction

B. App. Sci. (Geomatics) with Honours

1991 → 1996: Vermont Secondary College, Melbourne

Victorian Certificate of Education

Academic Achievements:

- Presented paper: “*Investigation and Prototyping of Emerging Web Standards for Web GIS*” at the MSIA Conference in Melbourne, Australia (2002). Paper was also refereed and published in the MSIA journal “*Cartography*”, June 2002 edition. Abstract available: http://www.mappingsciences.org.au/journal/june_02.html#seven
- Noted on the Dean's List - 1997.
(Awarded to students achieving average grades of Distinction or higher and in the top 5% of their degree).
- Member of The Golden Key National Honour Society
(a society for students in the top 15% of undergraduate students in the university).

Referees

Available upon request