Robert David Nicholson
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Dear Sir/Madam,

My current interests include client/server technology coupled with object-oriented software development.   For the last two years I have been realizing the benefits from exploring these areas using the NeXTSTEP operating system and development environment.   In recent months I have complemented these skills with the addition of the C++ programming language.

My goals are to expand my current knowledge and to complement that with some practical experience fulfilling a career-oriented technical role in a business driven environment.   I am also willing to work on a contract basis.

Yours sincerely,

Robert Nicholson.

Ambition
To continue to expand my knowledge of advanced client server developments, object-oriented software construction and to apply them within a business driven environment

Experience
Commercial experience

Technical Programmer, Penny & Evans Limited.

14/06/93 - 31/07/93

Responsibilities included designing and implementing an in-house database for tracking marketing leads.   The work consisted of using the NeXTSTEP operating system as a client communicating with a SYBASE server back-end using the NeXTSTEP Database Kit's access and user-interface layers.   My other responsibilities included acting in a pre-sales capacity, performing demonstrations to interested clients and   carrying out system administration tasks on the existing NeXT network.

Industrial experience

In my third year of study I was a member of a team of four people who, as a part of their industrial experience project, created a resource monitoring system for ACUS (Australian Centre for UNISYS Software).   The system's development included all phases of the software development life-cycle.   The system was built using Clipper S87.

Education

Monash University, Melbourne Australia.
Bachelor of computing degree (Honors) 1/88 ± 12/92

Computer Technology

Topics included Computer Architecture, Operating Systems (MS-DOS, PRIMOS and UNIX), Relational Database theory including SQL and embedded SQL, Communications theory with a brief introduction to sockets programming.

Software Development

Covered structured programming using COBOL-74 and COBOL-85 in PRIME and VAX environments respectively.
The C Programming Language. Object-oriented programming and design using the Eiffel language.

Information Systems

An introduction to Information Systems, Data Modelling using Entity Relationship Diagrams, Structured Systems Analysis and Design Methodology using Data Flow Diagrams, Managerial issues in Information Systems, Decision Support Systems and Knowledge Based Systems.

Honors year

Those students who attained an average of credit or more in the final year of study were invited by a department to undertake a research project.   I chose to do my honors in Software Development and my research topic was ``Programming User Interfaces using Object-oriented Programming.''   This involved conducting research in the following areas.

· Object-oriented Programming

· User Interface Management Systems

   · Interface Builder

   · The Garnet Environment and the Lapidary Tool

My thesis discussed how the object-oriented paradigm meshes with user interface construction and how this environment can be enhanced by using user interface management systems.   I compared the class instance based programming model, Interface Builder and NeXTSTEP, with the prototype instance based Lapidary and the Garnet environment.   Concluding that the prototype instance model was richer and offered more flexibility.   Part of my thesis included developing a prototype using Interface Builder and the NeXTSTEP development environment.

Languages

C, Objective-C, C++, Eiffel, Smalltalk, Perl, Unix shell scripts, AWK, Tool Command Language (TCL), COBOL-74/85

Operating Systems

NeXTSTEP 2.1/3.0/3.1, BSD4.3, MS-DOS, VMS

Hardware

I own and operate a NeXTSTATION color unix workstation.

User Interfaces

NeXTSTEP, The X-Windows system, MS-Windows.

Referees (References available on request)

Sita Ramakrishnan
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* - Dialing sequence for Australia.

Citizenship

     I was born in England and I also have dual citizenship with Australia.

Hobbies/Outside Interests

     I enjoy watching and participating in sport particularly football and tennis.