
PERSONAL DETAILS

NAME Rukshan Fonseka
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DATE OF BIRTH 9 May, 1979

EDUCATION

TERTIARY

1997 – Present

Monash University – Clayton Campus
Bachelor of Computer Science and Engineering (Honours)
Currently in fourth year, completing my final semester.

Academic Achievements

- Achieved a Distinction Average
- Obtained a studentship from the Computer Science department.
- Participated in the Advanced Students Project Scheme (voluntary computing project) in 1997. Developed a dynamic website using HTML and CGIs in C.
- Designed and programmed a microprocessor. Implemented the instruction set in hardware.
- Programmed an industrial robot using the MENTROL and WALLI software.
- Completed my honours thesis on Musical Agents. Developed a Java application that mimics cellular automata using music and communicates with other agents over the network using multicast IP. More information at: <http://yoyo.cc.monash.edu.au/~ruki>

Campus Involvement

- Student representative for third year electrical engineering students. Member of the student-staff committee.
- Lab demonstrator/tutor for first year computer science students.
- Research assistant in the Monash Physiology department.

4th year subjects currently undertaking

- Computer system engineering, Management, Control systems, Electromagnetic propagation, Computer systems design, Basic reliability engineering, Advanced object-oriented idioms in C++, Perl programming, Graphics programming and Final year Thesis in Musical Agents.

SECONDARY

1995 – 1996

Yarra Valley Anglican School, Ringwood
VCE subjects completed: Maths Methods, Specialist Maths, Chemistry, Physics, English, Information Systems.

Academic Achievements

- Achieved a TER of 86.65
- Received an Academic prize in 1995
- Received a Certificate of Recognition for Music in 1996

- Received a Certificate for Service to Music in 1995

School Involvement

- Member of the School Orchestra
- Participated in the Victorian Maths Competition
- Participated in the National Chemistry Competition.
- Played in the 2nd School Table-Tennis Team
- Played in the 3rd School Soccer Team
- Was involved in Sports Day (110m hurdles)
- Created an educational software for Grade One and assisted the teacher as part of my Year 11 communications project.

1993 – 1994

St. Augustine's College, England

GCSE subjects completed: Double Award Science, English, Literature, Maths, Religious Studies.

COURSE RELATED EMPLOYMENT EXPERIENCE

17 Jul, 2000 – present

Part time

Monash University, Clayton

Responsibilities and Skills

- Lab demonstrator/tutor for first year computer science students.
- Tutoring a class of ten to fourteen students.
- Aiding students with C and MIPS programming difficulties for the courses 'Computer Programming' and 'Algorithms and Data Structures'.
- Assessing students' performance.

27 Nov, 2000 – 26 Feb, 2001

Full time

DSTC Pty Ltd, Caulfield

Responsibilities and Skills

- Worked with a small research group made up of two students and two supervisors.
- Designed and developed a mobile agent itinerary language for business applications.
- Developed the application in Java and the Grasshopper Agent Toolkit.
- Wrote a research document on the project and gave a presentation and demonstration of the system to DSTC, Monash research staff and students.

17 Jul, 2000 – 16 Dec, 2000

Part time

Monash University, Clayton

Responsibilities and Skills

- Assisting with measuring action potentials emitted by neuron cells.
- Troubleshooting and further developing the existing data acquisition application.
- Programming the data acquisition hardware using the C language.

06 Dec, 1999 – 24 Dec, 1999

Contract

Ozmatrix Pty Ltd (ISP), Seaford

Responsibilities and Skills

- Designed and developed the Ozmatrix website.
- Responsible for HTML programming, CGI Perl scripts, graphic design and web contents.
- Communicated with the Technical Manager to integrate their ideas.

ADDITIONAL EMPLOYMENT

13 Mar, 1999 – 8 May, 1999
Volunteer

World Vision, Burwood

Responsibilities and Skills

- Worked as a telephone operator providing customer service for the 40-hour famine and child sponsorship.
- Helped with general office duties such as mail sorting.
- Worked in a friendly-casual atmosphere and met new faces everyday.

12 Jan, 1999 – 30 Jan, 1999
Casual

Wobbies World, Nunawading

Responsibilities and Skills

- Ride operator in a kid's park.
- Responsible for testing and ensuring the fire truck was safe for rides.
- Communicated with people of diverse age groups from the very young to the mature.

SHORT COURSES

- A technical introduction to XML, DSTC Training.
- Internet Programming 1, DSTC Training.
- Jazz/Funk Dancing, Monash University.

TECHNICAL SKILLS

- Programming experience in C, C++, MIPS, mSQL, Visual Basic, PERL, HTML, CGI and Java.
- Experience with the Grasshopper Mobile Agent Toolkit.
- Competent in the following operating systems: Windows 3.x/95/98/ME, MSDOS and Linux.
- Proficiency in a range of computer packages including Dreamweaver, Fireworks, Microsoft Word, Excel and Access.
- Very good programming skills and can easily pick up new languages.

PROFESSIONAL MEMBERSHIPS

- Student member of APESMA since 2000.
- Student member of Australian Computer Society since 1999.
- Member of Golden Key Honour Society since 1997.
- Student member of Institution of Engineers, Australia (IEAust) since 1997.

INTERESTS

- Active sportsperson who regularly plays cricket, soccer, basketball and is an active member of the gym.
- Stamp collecting, listening to music and watching movies.
- Enjoys traveling and comes from a multicultural background.

REFEREES

- **Will be provided on request.**