

COMPETENCIES Areas I am competent in:

Problem Solving

- The University of Canterbury Engineering Society was having problems keeping an up-to-date list of their 2500 members. To overcome these problems I designed then implemented a successful member and event management system.
- To reduce the problem of noise effecting the communications circuits in my final year project, various communications models were investigated. The solution was to use five nodes on a CAN bus. The CAN bus was selected for its speed and high noise immunity.

Communication

- As part of university assessment this year I was involved in three group projects. For all three of these projects I was team leader, keeping high levels of communications between the team members to keep the projects on track.
- Being part of the University of Canterbury Engineering Society, communication with other 21 committee members was crucial. In order to organise events, each week a full committee meeting was held. The meetings were complemented by dozens of emails.

Drive For Results

- The University of Canterbury Student Volunteer (SVA) contacted me the day following the February 22nd earthquake. They required a solution to keeping track of volunteers in case someone went missing. By midnight on the 23rd I was able to provide SVA with a barcode based system for registering volunteers each day, which was used everyday while the SVA was active.

TECHNICAL SKILLS Key skills that I am proficient in:

Hardware

- Atmel AT91SAM7
- Atmel AVR ATMega/XMega
- Cable Laying
- PCB Design
- Security Alarm Installation
- Soldering

Linux Based Technology

- Nagios
- Puppet
- SSH
- Ubuntu
- iptables

Programming Languages

- C
- JavaScript/jQuery
- Java
- Latex
- PHP
- Python
- SQL
- XML, XSLT

Programming Tools

- Git
- Subversion
- Vim

INTERESTS & ACHIEVEMENTS I enjoy spending time in the outdoors, on the sports field or working on a computer based project.

University & Community

- University of Canterbury Engineering Society (ENSOC) Webmaster
- University of Canterbury Student Volunteer Army (SVA) Management System Developer
- TriEx First Aid Certificate

Outdoors

I recreationally snow ski, tramp and enjoy climbing the occasional mountain.

Sport

Hockey - I played for Marlborough province in various representative teams as well as representing Marlborough Boys' College.

- University of Canterbury Premier Reserve team(2007 & 2008)
- Olympic Stick Schoolboy Tournament (2006)
- Marlborough U15 (2004)
- Marlborough Hatch Cup (2001 & 2002)

Hockey Umpiring - Premier level hockey and at New Zealand age group tournaments.

- Canterbury Premier League (2010 & 2011)
- India Shield School Boy Tournament (2010)
- U18 Tournament (2009 & 2010)
- U18 Development Tournament (2008)
- NZ Under 15 B Tournament (2007)
- Hatch Cup (2004)

REFERENCES References can be provided upon request