

Curriculum Vitae

Simon Newton

Name Simon Newton
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Education

2005 Cisco Certified Network Administrator (CCNA)

2005 Bachelor of Engineering, 1st Class Honours (Software), The University of Western
 Australia
 Honours Thesis: Art-Net: Control of Professional Lighting Systems over UDP.

2003 Bachelor of Science (I.T. Systems), The University of Western Australia

1999 Completed Year 12 - St Stephen's School, Duncraig Perth WA 6023
 TEE Subjects: Applicable Mathematics, Calculus, Chemistry, Economics, English and
 Physics.
 TER: 99.50 percentile

Previous Experience

September 2005 - Present

iiNet Limited, Level 6, Durack House, 263 Adelaide Terrace Perth, WA.

As part of a team working a full 24x7 roster, was responsible for over 1700 devices throughout a network spanning Australia and New Zealand. Gained experience with Network Appliance Filers, Cisco switches and routers, Ironport mail scanning devices, Ericsson DSLAMs and many others. Also designed and wrote the web-based maintenance scheduling application which is now used throughout the company.

November 2004 – September 2005

E&P I.T. Solutions, 30 Townshend Road, Subiaco, WA.

Developed an centralised online pricing system to fetch pricelists from various wholesalers, parse the resultant data and insert it into a database. Also designed and installed the network infrastructure making use of OpenLDAP, Postfix, Samba, to provide a centralised authentication system.

June 2005 - July 2005

Kangare Software Engineering, Box 85, Bairiki, Tarawa, Republic of Kiribati

Completed a second assignment for Australian Business Volunteers in Kiribati, working with Kangare Software Engineering. Tasks included training the local staff in Perl programming and web application design, as well as LDAP / Samba integration.

July 2004 - August 2004

Kangare Software Engineering, Box 85, Bairiki, Tarawa, Republic of Kiribati

Completed a five week assignment for Australian Business Volunteers, working with Kangare Software Engineering. The role was to train the local staff in the installation and administration of Debian GNU/Linux servers in order to provide computing services to their clients. Gained valuable experience working with different cultures and under difficult environmental conditions.

March 2003 - September 2005

MMT Networks, 310 Lord Street, East Perth, WA, 6004

Consultant to MMT Networks as a network administrator. Primary tasks include network design, and the installation and administration of Red Hat and Debian servers. Additional tasks include assembly of hardware and support of Windows 2000 / XP desktops and servers. Also gained exposure to Novell Netware 6.5 and Cisco IOS.

2002-2005

Providing computer support services to both small business and residential customers under my company name ZP Technologies. Primary activities include general Windows troubleshooting (networking, printing, virus detection and removal)

September 2002 – October 2002

St Stephen's School, Doveridge Drive, Duncraig WA 6023

Design and development of a web-based (Perl) literacy program used in lower secondary school (Years 8 - 10)

November 2001 – October 2003

Adept Electronic Solutions, Level 1 / 15 Drake Street, Osborne Park, WA 6017

Design, creation and ongoing maintenance of website www.adept.net.au. Tasks also included general hardware and software troubleshooting.

Computer Skills

Operating Systems Experience

- Various Linux Distributions (Red Hat, Debian GNU/Linux, Mandrake, SUSE etc.)
- Windows 95/98/ME , NT4, 2000 and XP
- Macintosh (7,8)

Proficient Programming Skills

- C / C++
- Java
- Perl
- PHP
- SQL

System / Network Administration Skills

- Cisco 800, 2500, 2600, 2900, 3700, 5300, 5400, 6500, 7200, 7300 series experience
- File Sharing (Samba, NFS)
- Web Servers (Apache, Boa)
- Firewall / NAT (iptables , ipchains)
- DNS (bind, dnsmasq)
- Databases (MySQL)
- Directory Services (OpenLDAP)
- Mail (MTA, MDA, POP3/IMAP servers, webmail, virus/spam scanners)
- Host / Service Monitoring (Netsaint, Nagios, MRTG, RRDTool, AWStats, Ntop)
- VPNs (cipe, openvpn, ipsec)
- Linux Kernel Compilation

Web Development Skills:

- HTML, XHTML
- CSS
- Javascript
- XML, XSLT

Awards Received

2006

- WA Information Technology and Telecommunication Awards (WAITTA) – Student Project 2005 Winner

1999

- Dux of Quantitative Maths and Science (St Stephen's School)
- Certificate Of Excellence (Curriculum Council of WA)
- Citizenship Award (St Stephen's School)
- St Stephen's Academic Colours

1998

- Citizenship Award (St Stephen's School)
- John Alan Williams Scholarship for Science (St Stephen's School)

1997

- BHP Science Award - National Top 20 Finalist
- STAWA Science Talent Search - 1st Place Biology Section
- St Stephen's Academic Emblem
- St Stephen's Theatre Arts Emblem

Community Involvement

2004 – 2006

Creator and developer of libartnet. A open source library implementing the Art-Net protocol for POSIX systems.

2004

Reviewer of papers for YAPC::AU::2004 (Yet Another Perl Conference)

2003-2004

Contributor to the FreeDroid project, a Diablo style role playing game written in C. Roles include programming, testing and level design.

<http://sourceforge.net/projects/freedroid/>

2000-2005

Sound and lighting operator for various events (weddings, conferences, discos etc.)

2002-2003

Volunteer at HeadQuarters Youth Center (www.hq.org.au), member of the IT, Database and Web groups. Shared responsibility for up to 10 Linux servers running Debian/GNU Linux.

2002-2003

Project founder and lead developer of Go! Groupware. A web based groupware solution written in Perl and Mason, aimed at increasing communication between group members and reducing duplication of effort. The project is no longer under active development.

<http://sourceforge.net/projects/go-groupware/>

1997-2001

Sound and Lighting Operator, St Stephen's School.