

Daniel Stone

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<http://www.fooishbar.org>

- EDUCATION
- ◇ **Bachelor of Engineering/Bachelor of Arts**, Faculty of Engineering, University of Melbourne, (March 2004 – November 2005; Melbourne, AU)
Undergraduate double degree, currently on leave of absence due to relocation to Helsinki.
 - Bachelor of Engineering, majoring in Software Engineering.
 - Bachelor of Arts, majoring in Indonesian language.
- RESEARCH INTERESTS
- Graphical interfaces and windowing systems at a lower level, including both graphics drivers and input. Future graphics acceleration architectures.
- SKILLS
- ◇ C, C++, HTML
 - ◇ Python, Perl, pure POSIX sh, zsh
 - ◇ X Window System, GNOME, KDE, Debian, Ubuntu, Jabber
 - ◇ Fluent spoken/written English, intermediate spoken/written Indonesian, beginner spoken/written Finnish
- WORK EXPERIENCE
- ◇ **R&D Software Engineer**, Nokia Multimedia, (February 2006 – present; Helsinki, FI)
X and Linux kernel developer for core team working on Nokia 770 (first-generation), N800 and N810 (second-generation) internet tablets, and related products. Further details available on request.
 - Maintained X server for all Nokia internet tablets: added video support and overhauled input, among other work.
 - Several fixes and enhancements to existing Linux kernel drivers, and authorship of new drivers, mainly related to framebuffer and input devices.
 - Bootloader work, including power management.
 - Work on graphical driver/window system infrastructure.
 - ◇ **Ubuntu Developer**, Canonical Ltd, (May 2004 – January 2006; company based in Douglas, Isle of Man, working from Melbourne, AU)
Overall responsibility for X Window System and component external drivers, including kernel drivers. Debugged interactions between desktop/toolkit platform and windowing system.
 - Maintained XFree86; migrated to and later maintained, X.Org 'monolithic' system, and then X.Org modularised components, as well as related components including Mesa OpenGL implementation.
 - Rearchitected X configuration to include autodetection.
 - Liason with hardware vendors (ATI, Intel, NVIDIA, et al).
 - Development of custom multiseat platform for client, including debian-installer customisation.

- ◇ **Software Developer**, Trinity College, University of Melbourne, (June 2002 – June 2004; Melbourne, AU)
Worked independently on several projects, primarily Debian and Python-oriented:
 - Developed Python-based componentised WebDAV server that allowed sharing of user home directories.
 - Implemented Python-based printing quota system for student and staff printing, including Python wrappers to CUPS.
 - Customised Python-based traffic accounting system.
 - Updated Debian XFree86 packages from 4.2.1 to 4.3.0; maintained same externally and later in Debian.
- ◇ **System Administrator**, maxi multimedia/NEC Business Solutions, (July 2000 – July 2002; Melbourne, AU)
System administrator for production network, including liason with clients, using Debian and Solaris. Implemented custom solutions to solve needs as they arose. Customised Debian boot-floppies installs.

- ASSOCIATIONS (CURRENT)
- ◇ freedesktop.org – administration.
 - ◇ X.Org – developer. Development of modular build system for X Window System, code work throughout server. Significantly overhauled X Keyboard Extension (XKB) and general input protocol and implementation. Part of release team, organiser of 2007 X Developers’ Summit in Cambridge, UK. One of the original two developers on the Avivo project.
 - ◇ X.Org Foundation – board member, membership committee. Elected in Nov 2006, for two-year term.
- ASSOCIATIONS (FORMER)
- ◇ Debian – developer. Previously responsible for X Window System packages, KDE packages, Apache 2 packages, and other miscellaneous products.
 - ◇ KDE – developer. Responsible for core development of, and original Jabber plugin for, Kopete, the KDE instant messaging client.
 - ◇ Ubuntu – developer. Responsible for X Window System maintenance and miscellaneous packaging tasks.
- PRESENTATIONS
- Presentations given at numerous conferences: see <http://www.fooishbar.org/talks/> for a current list.
- REFERENCE
- Available on request.