

# Stephen Sherratt

*I'm a fifth year Computer Science student at UNSW, completing my undergraduate honours thesis at NICTA.*

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## Profile

I'm a fifth year Computer Science student at the University of New South Wales. I'm currently completing my honours thesis at NICTA, where I'm learning about operating systems, virtualization, and writing low-level systems code. My major hobby is programming; I spend lots of my spare time writing programs or learning new techniques.

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## Skills and Interests

### Systems Programming

- Experience working with a number of different microprocessors and device controllers
- Capable of reading and understanding programming manuals for new hardware
- Experience writing drivers, including a driver for an RFID controller, and a userspace timer driver
- Completed UNSW's "Advanced Operating Systems" course, which involved implementing many operating system features from scratch
- Wrote a multi threading library for an arduino as a personal project

### Web Development

- Develops web apps and web-based graphical demos as a hobby
- Competent in the use of many backend web languages and frameworks as well as a great deal of javascript experience
- Worked with a variety of database technologies
- Personal projects include a 4D graphical demo, isometric game engine, and blogging engine

### Software Engineering Practices

- Familiar with the git, mercurial and SVN version control systems
- Worked in a team on large codebases including a hypervisor and UNSW's robotic soccer team
- Currently leading a team responsible for maintaining the website of a UNSW society

### Mobile App Development

- Written apps for Android and Windows Phone
- Can quickly learn new APIs

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## Work Experience

- (2013 - present) Freelance web development (mainly Wordpress)
- (2011 - 13) Research Assistant at NICTA working on an electronics project to automate software testing
- (2011, 13 - present) Tutor for the School of Computer Science and Engineering at UNSW
- (2008 - 09) IT Technician at local computer store

## **Achievements**

### **Robocup**

- Developed a behaviour framework for UNSW's robotic soccer team
- Travelled to The Netherlands to compete in the 2013 Robocup, where we placed 4th in the world

### **Student Exchange**

- Took part in a student exchange to the University of Toronto in 2012

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## **Extra Curricular and Volunteer Work**

### **UNSW Revues**

- Involved in several theatrical societies at UNSW
- Currently head of the website team of "CSE Revue" - a comedy show run by UNSW computing students
- President of CSE Revue in 2013, and was one of the producers of the show
- Previously involved in the cast, tech crew, videos, website and executive teams for several different shows on campus

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### **Volunteering for the School of Computer Science and Engineering**

- Help run the CSE stall at UNSW open days to attract new students
- Volunteer as a Mentor for CSE's Mentor Program which allocates first year students with older students to introduce them to UNSW
- Camp Leader for the CSE First Year Camp which is an event held early in the year to allow first year computing students to meet their classmates