

Joey Scarr – Curriculum Vitae

Email: joey@cosc.canterbury.ac.nz

Tertiary Education

PhD Student – Computer Science

University of Canterbury (Christchurch, New Zealand)

April 2011 – current

Advisor: Professor Andy Cockburn

Thesis: Supporting Expertise in Command Selection Interfaces.

Bachelor of Science with First Class Honours – Computer Science

University of Canterbury (Christchurch, New Zealand)

January 2007 – December 2010

GPA in Computer Science: 9.0 (A+ average)

Overall GPA: 8.88

Publications

1. Joey Scarr, Andy Cockburn, Carl Gutwin, and Andrea Bunt. 2012. Improving Command Selection with CommandMaps. *In Proceedings of CHI 2012*. ACM, New York, NY, USA, 257-266. ***CHI 2012 Best Paper Award***
2. Joey Scarr, Andy Cockburn, Carl Gutwin, and Philip Quinn. 2011. Dips and ceilings: understanding and supporting transitions to expertise in user interfaces. *In Proceedings of CHI 2011*. ACM, New York, NY, USA, 2741-2750.
3. Susanne Tak, Joey Scarr, Carl Gutwin, and Andy Cockburn. 2011. Supporting Window Switching with Spatially Consistent Thumbnail Zones: Design and Evaluation. *In Proceedings of INTERACT 2011* (Lisbon, Portugal, September 5-9 2011).
4. Scarr, J. and Green, R. 2010. Automatic Transcription of Guitar Tablature using Computer Vision. *Image and Vision Computing New Zealand, 2010* (Queenstown, New Zealand, November 8 - 9, 2010).
5. Tak, S., Cockburn, A., Humm, K., Ahlström, D., Gutwin, C., and Scarr, J. 2009. Improving Window Switching Interfaces. *In Proceedings of INTERACT 2009* (Uppsala, Sweden, August 24 - 28, 2009).

Awards and Scholarships

- CHI 2012 Best Paper for "Improving Command Selection with CommandMaps"
- Brownlie Scholarship 2011 (awarded to the top PhD candidate at the University of Canterbury)
- UC Alumni Association Scholarship 2010
- G B Battersby-Trimble Scholarship in Computer Science 2010
- Allied Telesis Labs Scholarship in Computer Science 2010
- UC Senior Scholarship 2010
- IBM Supercomputing Scholarship 2010 (declined)
- Top student in 3rd year Computer Science 2009
- Top student in 2nd year Computer Science 2008
- UC College of Engineering Computer Science Scholarship 2008
- Scholars in Science 2008 Runner-up
- UC Emerging Leaders' Scholarship 2008 – Computer Science Division

Industry Experience

Software Engineering Intern: Google Australia

January 2012 – April 2012

I implemented the weather and heatmap layers in the Google Maps API.

Software Engineering Intern: Google Australia

January 2011 – April 2011

I worked on Discussions for Google Docs, implementing and refining the interface and other features.

Casual Programmer: Telogis Inc.

September 2007 – September 2010

I worked at Telogis part-time during my undergraduate studies, developing GIS and fleet tracking software.

Teaching Experience

Teaching Assistant: University of Canterbury

COSC208 – C/C++ Programming (2009)

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COSC365 – Web Programming/Distributed Systems (2010)

COSC363 – Computer Graphics (2011)

COSC365 – Web Computing (2012)

Academic service

Student Volunteer: UIST 2012

Student Volunteer: CHI 2012

Programming Contests

[ACM-ICPC South Pacific Regionals 2008](#): 1st in New Zealand and 2nd overall

[ACM-ICPC World Finals Stockholm 2009](#): 49th equal

[South Pacific Regionals '09](#): 1st in New Zealand and 2nd overall

[ICPC Challenge at World Finals Harbin '10](#): 1st place

Referees

Professor Andy Cockburn – my thesis advisor, and director of the HCI research group at Canterbury.

Email: andy@cosc.canterbury.ac.nz

Dr Richard Lobb – lecturer for most of the courses I've tutored and travelling coach at the ACM-ICPC '10.

Email: richard.lobb@canterbury.ac.nz