

Peter Raffensperger

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Birthdate: 30 June 1986

Academic and Engineering Experience

- I am studying towards a PhD in Electrical Engineering, University of Canterbury, 2009 to present.
- I have been awarded a BE(Hons) with First Class Honours in Electrical Engineering, University of Canterbury, 2006 to 2008. Cumulative GPA of 8.75 of 9.
- I have knowledge of advanced signal processing, C++, Python, and embedded systems development.
- One year's work experience as an electronics technician and apprentice engineer (at my uncle's company, Sigenics Inc.).
- Six months work experience as an electronics engineer at AuCom Electronics.

Musical Composition

- I was commissioned by Christchurch Symphony Orchestra violinist Cathy Irons to write a piece for piano and violin.
- I contributed three pieces of ambient music to *Insects Infestation* a freely available, community modification of the computer game Half-Life 2.
- I studied musical composition at University of Canterbury under Dr Chris Cree-Brown. I began composing in 1999 and I have continued writing music up to the present date. I learn from books, teachers and my own experience.

Digital Musical Technology

- I have been using computers, software and electronic instruments in my music since 1999. I have proficiency at sequencing and sound production.
- I have intimate knowledge of Cakewalk Sonar, Ableton Live, Native Instruments plug ins, VSTs, MIDI and audio editing.

Awards

- University of Canterbury Doctoral Scholarship, 2009 to present.
- Summer Research Scholarship, 2008-2009.
- R. D. Neale Memorial Prize, 2007.
- NZQA New Zealand Scholarship, 2006-2008.
- Riccarton High School Bruce Hills Endowed Prize for Creative Work in Any Field, for musical composition and arrangement & Award of Excellence in music, 2004.

Publications

Motion to Music Interface, **P. Raffensperger** and M. Hayes, Proc. Electronics New Zealand Conference 2008, Auckland, New Zealand.