

Aaron Stockdill

Education

- 2017 – 2020 **Doctor of Philosophy**
In progress *University of Cambridge.*
Thesis: “Automating representation change across domains for reasoning”.
- 2016 **Bachelor of Science with First Class Honours**
University of Canterbury, GPA 8.9 of 9.
Major in Computer Science. Report titled “Neuromorphic Computing with Reservoir Neural Networks on Memristive Hardware”.
- 2013 – 2015 **Bachelor of Science**
University of Canterbury, GPA 8.83 of 9.
Major in Computer Science and Mathematics.

Employment

- 2017 **Supervisor**, *University of Cambridge.*
“Foundations of Computer Science”, “Prolog”.
- 2017 **Lecturer**, *University of Canterbury.*
“Introduction to Computer Science”.
- 2015 – 2017 **Tutor**, *University of Canterbury.*
“Introduction to Computer Programming”, “Introduction to Computer Science”, “Algorithms”, “Introduction to Computer Networks and the Internet”, “Artificial Intelligence”.
- 2014 – 2015 **Software Developer Intern**, *ARANZ Geo Leapfrog.*
Developing Geological Modelling software for the mining industry as a summer internship to get experience at an established software company.
- 2014 – 2017 **Founder, Web Designer, Programmer**, *Potato Softworks.*
Founded this web design company, lead web designer, software developer.
- 2014 – 2016 **Mathematics Tutor**, *NumberWorks’nWords.*
Taught students of all school ages, specialising in High School level Algebra and Calculus.

Personal Skills

- Communication Most of my work has been in education, where communication is vital. My time in retail means I have strong conflict-resolution skills.
- Organisation I am an organised person, as evidenced by pursuing higher education, and starting my own company. My extracurricular work requires exceptional planning skills.
- Leadership I run a company, am responsible for many students, and have organised and run several events for MathSoc at the University of Canterbury. I am willing to take charge, and have the commitment and skills to see a project through to completion.

Technical Skills

- Languages Python, HTML/CSS/JavaScript, Clojure, C, Fortran and L^AT_EX. Working knowledge of C++, Haskell, PHP and Swift.
- Tools Confident on the command line, frequently working on remote servers through SSH. VCS experience: Git, Mercurial, and Subversion.

Publications

- 2016 **Restricted Echo State Networks**
Stockdill and Neshatian, AI 2016: Advances in Artificial Intelligence: 29th Australasian Joint Conference, Hobart, TAS, Australia, December 5-8, 2016, Proceedings. Lecture Notes in Artificial Intelligence. Springer International Publishing.

Awards & Honours

- 2017 **Hamilton Cambridge International Scholarship**
Selwyn College, University of Cambridge.
Full scholarship to study towards my PhD at the University of Cambridge.
- 2016 **Graduating BSc(Hons) Computer Science Student of the Year**
University of Canterbury.
Awarded for academic achievement throughout my undergraduate and honours study.
- 2016-2017 **Summer Research Scholarship**
Department of Physics and Astronomy, University of Canterbury.
To continue my Honours research throughout the summer break.
- 2016 **G B Battersby Trimble Scholarship in Computer Science**
University of Canterbury.
Awarded for academic merit, broad knowledge outside of computer science, and research of benefit to New Zealand.
- 2016 **Freemasons University Scholarship**
University of Canterbury, for academic merit, community involvement, and leadership potential..
- 2016 **UC Senior Scholarship**
University of Canterbury, for academic merit from 200 and 300 level courses..
- 2015 **Page Memorial Prize**
University of Canterbury, for academic achievement in Level 300 Mathematics.
- 2015 **Allied Telesis Labs Scholarship in Computer Science**
University of Canterbury.

Extra-Curricular

- 2016 **Back to School Speaker**
University of Canterbury.
Invited to speak to Year 13 students at Cashmere High School on behalf of UC.
- 2015 – 2016 **Scholarship Calculus Tutor**
Cashmere High School.
Helped out as a Scholarship Calculus Tutor for advanced Year 13 students. In 2016 our students received a record four scholarships.
- 2015 **COSC362 Class Representative**
University of Canterbury.
Served as class representative for COSC362: Data and Network Security, a position that works as a mediator between students and staff to resolve any issues.
- 2014 – 2016 **Member of MathSoc UC**
University of Canterbury.
Member of the Mathematics Society, on the committee in 2015 and 2016. Involved in tutorials, and ran a \LaTeX workshop for Mathematics, Computer Science, and Physics students.
- 2014 – 2016 **Member of CompSoc UC**
University of Canterbury.
Member of the Computer Society, on the committee in 2016. Attending and running events, and helping out with tutorials.