Aaron Stockdill

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Education

2017 − 2020 *In progress*	**Doctor of Philosophy** *University of Cambridge.* Researching knowledge representation transformation with artificial intelligence.
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	**University of Canterbury**, *Computer Science Lecturer.* "Introduction to Computer Science".
2015 − 2017	**University of Canterbury**, *Computer Science Tutor.* 2015: "Introduction to Computer Programming", "Introduction to Computer Science". 2016: "Algorithms", "Introduction to Computer Networks and the Internet". 2017: "Artificial Intelligence", "Algorithms", "Introduction to Computer Programming".
2014 − 2015	**ARANZ Geo Leapfrog**, *Software Developer Intern.* Developing Geological Modelling software for the mining industry as a summer internship to get experience at an established software company.
2014 − 2017	**Potato Softworks**, *Founder, Web Designer, Programmer.* Founded this web design company, lead web designer, software developer.
2014 − 2016	**NumberWorks'nWords**, *Mathematics Tutor.* 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 exceptionally 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

Lanuages	Python, HTML/CSS/JavaScript, Clojure, C, Fortran and LaTeX. 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**
Aaron Stockdill and Kourosh Neshatian, AI 2016: Advances in Artificial Intelligence.
Volume 9992 of 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.