

Aaron Stockdill

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Education

- 2016 **Bachelor of Science with First Class Honours**
University of Canterbury, GPA 8.9 of 9.
Majoring 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.
Majored in Computer Science and Mathematics.

Employment

- 2015 – Present **University of Canterbury**, *Computer Science Tutor*.
2015 courses: “Introduction to Computer Programming” and “Introduction to Computer Science”.
2016 courses: “Algorithms” and “Introduction to Computer Networks and the Internet”.
- 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 – Present **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, particularly Algebra and Calculus.
- 2012 – Present **Mathematics Tutor**, *Private*.
Provided in-home mathematics tutoring for High School students, teaching all levels from Years 9 to 13 / Forms 3 to 7.

Personal Skills

- Communication Most of my work has been in education, where most of the job is communication. 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. Much of my extracurricular work requires me to be well organised.
- 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**
Aaron Stockdill and Kourosh Neshatian, AI2016 (pending publication).

Awards & Honours

- 2016-2017 **Summer Research Scholarship**
Physics Department, University of Canterbury.
To continue my Honours research through 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 **Finalist for the Sir Paul Callaghan Eureka Award**
Eureka Trust, for innovation and STEM communication.
- 2016 **Freemasons University Scholarship**
University of Canterbury.
Awarded for academic merit, community involvement, and leadership potential.
- 2016 **UC Senior Scholarship**
University of Canterbury.
Awarded on the basis of academic merit from 200 and 300 level courses.
- 2015 **Graduating BSc Computer Science Student of the Year**
University of Canterbury.
Awarded for academic achievement throughout my undergraduate study.
- 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.
- 2015 **Mathematics and Statistics Scholarship**
University of Canterbury, Tier I.
- 2014 **Mathematics and Statistics Scholarship**
University of Canterbury, Tier II.
- 2013 **Dean's Congratulations**
University of Canterbury.
Received in recognition of Academic Achievement from Associate Professor Catherine Moran, Dean of Science.
- 2013 **Peter Bryant Memorial Prize**
University of Canterbury.
Awarded for First Place in 100-Level Mathematics.
- 2012 **Computer Science High Achievers Scholarship**
University of Canterbury.
Awarded to high achieving students commencing a degree in Computer Science in 2013.

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.

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.