

# 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.

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## 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”. 2017 courses: “Artificial Intelligence”, “Algorithms”, and “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 – 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.

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## 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.

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## Technical Skills

Languages Python, HTML/CSS/JavaScript, Clojure, C, Fortran and L<sup>A</sup>T<sub>E</sub>X. 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.

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## 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.

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## Awards & Honours

- 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**  
*Physics Department, 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 **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.

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## 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 five 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  $\text{\LaTeX}$  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.