

Callum Sutton | Curriculum Vitae

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EDUCATION

- Australian National University** Canberra, Australia
Bachelor of Philosophy (Honours) - Science (Expected to be conferred in December 2020) 2017 – 2020
• Current GPA: 6.958/7.0
- University of Toronto** Toronto, ON
Exchange Semester August 2018 – December 2018
• GPA: 4.0/4.0
- Northern Beaches Secondary College, Manly Selective Campus** Sydney, Australia
Higher School Certificate (HSC) 2016 2011-2016
• Graduated with an ATAR (Australian Tertiary Admissions Rank) of 99.90, the second highest possible rank.

AWARDS

- National University Scholarship 2017 – 2020
• Awarded for achieving an ATAR of at least 99.90 in the Higher School Certificate.
- Hanna Neumann Prize for Third Year Mathematics 2019
• Awarded for achieving the highest aggregate score in third year mathematics courses.
- Dean's Science Education Commendation Semester 2, 2019
• Awarded for achieving a High Distinction at the level of 90% or higher in all Science courses undertaken during a semester.
- Dean's Science Education Commendation Semester 1, 2019
- Chancellor's Letter of Commendation 2019
• Awarded for achieving a GPA of 7 over an academic year.
- Dean's Science Education Commendation Semester 2, 2017
- Dean's Science Education Commendation Semester 1, 2017
- Dux (Valedictorian) of Manly Selective Campus 2016
- HSC All-round Achiever 2016
• Awarded for achieving a Band 6 (a mark of at least 90 out of 100) in ten or more units of study.

ACADEMIC EXPERIENCE

- Honours Thesis** 2020
Differential algebraic geometry and the Geometric Mordell Conjecture
• Supervisor: Dr James Borger
- Reading and Special Topics Courses** 2019–2020
Australian National University and Sichuan University
• Geometric Group Theory (Semester 1, 2019)
• Interactive Theorem Proving (Semester 1, 2019)
• Perverse Sheaves and Deligne–Lusztig Theory (Semester 1, 2020)
• Vector Bundles and K -theory (Semester 1, 2020)
• Topics in Mathematical Physics (Semester 1, 2020)
• Foundations of Algebraic Geometry (Semester 2, 2020)
• K -theory and Index Theory, studied at a mathematics summer school at Sichuan University in Chengdu, China (July 2019) (This course was not taken for credit)
- Research projects**
Australian Nuclear Science and Technology Organisation (ANSTO)
• Summer research project at ANSTO, supervised by Dr Kirrily Rule. The project involved designing an experiment to study the alignment of the TAIPAN triple-axis spectrometer at ANSTO and analysing the data produced in Python. (November 2017 – January 2018)

TEACHING EXPERIENCE

Demonstrator (Teaching Assistant)

2019 –2020

Australian National University

Canberra, Australia

- Demonstrator for the ANU course MATH1005 (Discrete Mathematical Models) in Semester 1, 2019 and Semester 1, 2020. This role involved leading two-hour workshops and marking weekly assignments.
- Demonstrator for Mathematical Analysis 1 and 2, intensive summer courses run by the ANU for students from Shandong University during November 2020.

OTHER

- Australian Music Examinations Board (AMEB) Certificate of Performance in Piano with Credit (B+), December 2016.
- I have been a member of a number of school and community bands. I participated in the Manly Selective Campus international band tour to Italy and Austria in 2015.
- I enjoy hiking, camping and other outdoor activities. I was a member of Killarney Heights Scout Group from 2007 until 2015 and have been a member of the ANU Mountaineering Club since 2018. I also competed in the ANU Inward Bound adventure footrace in October 2017.
- Experience programming in \LaTeX , Python, Git, Lean and Haskell.