Callum Sutton | Curriculum Vitae

+61 413 561 796 | callumrsutton@gmail.com | https://callum-sutton.github.io

Education

Australian National University — Canberra, Australia
Bachelor of Philosophy (Honours) - Science — *2017 – 2020*
- First Class Honours in Mathematics and University Medal
- GPA: 6.966/7.0

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

University Medal — 2020

ANU 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

Premier's Award for All-round Excellence in the NSW Higher School Certificate — 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.