

Ryan Douglas Braiden

Curriculum Vitae

The University of Queensland, Brisbane, QLD 4072, Australia
r.braiden@student.uq.edu.au — 0490 957 512
Australian citizen — Fluent English speaker

EDUCATION

2025-Ongoing Bachelor of Mathematics with Honours, The University of Queensland, Australia.

Undergraduate thesis: The $K(\pi, 1)$ conjecture for Artin braid groups. Advisor: Masoud Kamgarpour. Current GPA: 7/7.

2022-2025 Bachelor of Mathematics, The University of Queensland, Australia.

GPA: $> 6.5/7$.

SCHOLARSHIPS

2026 AMSI Summer School Grant

Competitive short-term scholarship awarded to applicants undergoing the AMSI summer school program.

2025 The University of Queensland Summer Research Scholarship

Competitive short-term scholarship awarded to undergraduate or masters students undergoing the UQ summer research program.

AWARDS

2026 AMSI Summer School Best Participant Talk

Awarded to the best talk (as decided by attendee vote) out of 12 participant talks.

2022-2026 The University of Queensland's Dean's Commendation for Academic Excellence

Awarded each semester to students who achieved a GPA of 6.6/7 or higher.

TEACHING

2024-2026 Tutor, The University of Queensland

Subjects: MATH2301 (2nd year Abstract & Linear Algebra), MATH2302 (2nd year Discrete Math), MATH2001 (3rd course in Calculus), MATH1052 (2nd course in Calculus), MATH1061 (1st year Discrete Math).

TALKS

May 2026 *The topology and geometry of Artin braid groups*, Honours final talk, Brisbane, Australia

January 2026 (Award recipient) *The $K(\pi, 1)$ conjecture*, AMSI summer school, Melbourne, Australia

October 2025 *Cluster algebras*, coursework, Brisbane, Australia

October 2025 *Classifying spaces and principal G -bundles*, coursework, Brisbane, Australia

March 2025 *A rapid introduction to analytic number theory*, University of Queensland Mathematics Students Society, Brisbane, Australia