

DOMINIC CONNORS

CONTACT

Dominic.Connors@anu.edu.au

PROFILE

I wrote my honours thesis, *The Meaning and Proof of Arithmetic Quantum Unique Ergodicity*, under the supervision of Dr Alexandria Rose and Professor Benjamin Andrews at the Australian National University.

I have honed strong analytical and communication skills, enabling me to explain complex concepts visually, verbally and in writing to audiences with different skill sets. I learn and integrate new concepts quickly, adapting my approach to new problems while remaining focused on the underlying objectives.

EDUCATION AND TRAINING

- Mathematical Honours, ANU 2026
- Bachelor of Science, ANU 2025
- ANU Futures Workshop: Recent Progress of Harmonic Analysis in General Relativity and Quantum Information, 2025
- Australian Mathematical Sciences Institute Summer School, University of Sydney 2025
- ANU Logic Summer School, 2024
- WorkSafe NSW White Card, 2022
- HSC, 2020

EXTRACURRICULAR

- ANU Judo Club Secretary 2023-Present
- ANU Half-Blue Award for Sporting Excellence in Judo, 2023
- University Games Bronze Medal for Judo, 2023
- ACT State Judo Champion, 2023
- Australian Army Cadets, Cadet Under Officer Company Commander 2019-2020

SKILLS

- Microsoft 365 (Excel, Word, PowerPoint, Teams)
- LaTeX
- Programming (Python, MATLAB)

REFERENCES

Available upon request.

EXPERIENCE

ANU Maths Tutor (Part-time, 2026-Present): I tutor calculus and linear algebra to groups of up to 25 students, guiding them through calculations and toward a deeper understanding of mathematical proof.

Independent Maths and English Tutor (Part-time, 2020-Present): I tutor up to five senior high school and university students concurrently. I teach mathematical and literary concepts, analytical skills, and effective written expression. My approach emphasises the development of students' fundamental understanding, individual written voices, and ability to understand and meet prescribed learning outcomes. Students typically achieve or exceed their academic goals and develop the skills to succeed independently.

Exhibiting Artist and Mathematical Communicator (2026): my collaborative audiovisual installation, [*An Exploration of Shapes and the Sounds They Make*](#), was exhibited in the ANU Mathematical Sciences Institute's [*Mathematics in Art*](#) exhibition and during the ANU's 80th anniversary celebrations. The experience invites a general audience to explore several results and conjectures at the heart of modern Fourier analysis.

Secretary of ANU Judo Club (2023-Present): I organise recruitment and social events, represent the club at ANU Sport meetings, and ensure compliance with university and government regulations.

Construction Worker (Full time and Casual, 2022-Present): Hatch Construction and Others – I do physically demanding construction work on high-end residential projects across Sydney and Canberra. I work well with ever-changing teams of tradespeople.

Café Short Order Cook (Casual, 2021-2023): Bluebottle Espresso and MADE IN DY – I prepared meals, maintained kitchen cleanliness and undertook customer-facing duties in busy cafés requiring efficient service and consistently high presentation standards.

Independent Gardening Contractor (Part time, 2020-2021): I set up a landscape maintenance operation installing fencing and clearing weeds, rocks, trees and insect infestations. The operation grew through word of mouth from satisfied clients.