Ethan du Toit

Education

2023–2025 Bachelor of Computer Science (in progress), University of New South Wales, WAM (2023–2024) - 89

2017–2022 Higher School Certificate, James Ruse Agricultural High School

Experience

2021–2025 **Private tutor**, tutoring high school students in programming, mathematics and the sciences.

Projects

2025 Whist An implementation of the card game Whist with AI based on Monte Carlo Tree Search. Playable at https://ethandutoit.com/whist. Code at https://github.com/ethan-du-toit/whist.

2020 MLOTEN An emulator for a fantasy console based on RISC-V. Completed for my Software Development and Design HSC. Available online at https://github.com/ethan-du-toit/mloten.

Skills

Proficient C, Python, Linux administration

Familiar C++, Haskell, Java, Rust, Scheme

Achievements

- o Recipient of reward cheque from Donald Knuth
- o Silver award in South Pacific Programming Contests' ANZAC Contests (2023)
- o Gold medal in Australian Informatics Olympiad (2020–2022)
- o Gold medal in Australian Invitational Informatics Olympiad (2021–2022)
- Third place in UNSW ProgComp as part of team Updog (2022)
- o UNSW Engineering Faculty Dean's Award (2023)
- o UNSW Engineering Faculty Dean's Honours List (2024)