

Harry Breden

EDUCATION

Bachelor of Science (double advanced major in Mathematics and Data Science), The University of Sydney 2022

- Weighted average mark (WAM): 90.8
- High Distinction in all units taken.
- Notable marks:
 - Foundations of Data Science (Advanced) 100
 - Geometry and Topology 99
 - Data Analytics: Learning from Data (Advanced) 98
 - Science Dalzell Individual Research Project 98
 - Linear and Abstract Algebra (Advanced) 97
 - Analysis (Advanced) 93
 - Data Structures and Algorithms (Advanced) 93
 - Discrete Mathematics (Advanced) 93
 - Introduction to Programming 93
 - Writing with LaTeX 93
 - Calculus of One Variable (Special Studies Program) 91
 - Informatics: Data and Computation (Advanced) 90
 - Economic Strategy and Negotiation 90
- Expected completion: 2024
- Scholarships recipient:
 - Farrand Science Scholarship
 - Plumian Scholarship
- Prizes
 - Dean's List of Excellence in Academic Performance
 - University of Sydney Academic Merit Prize
 - Citadel Prize for First Year in Mathematics and Statistics
 - USA Foundation Prize in Statistics
- Societies:
 - 180 Degrees Consulting Society
 - SUMS (Sydney University Mathematics Society)
 - SciSoc
- Committees:
 - Physics Equity and Access Committee

Higher School Certificate, Barker College

Graduated 2021

- ATAR: 99.85
 - Mathematics Extension 1 99
 - Mathematics Extension 2 96
 - Physics 96
 - English Advanced 95
 - Science Extension 47
 - Geography 94
- School Vice-Captain

WORK EXPERIENCE

Visagio Australia 2022 - Present

Data Science/Technical Consultant Internship

- Promoted to Intern II position after receiving a Top Performer grade in first evaluation cycle (July 2023).
- Data Analytics Projects
 - Lead script and workflow developer for a year-long project within the Business Research and Analytics team of a major national rail transport provider. Developed integrated Python and SQL workflows to identify and quantify opportunities for safety improvements. Project deliverables included dynamic Tableau reports for internal customers.

- Skills
 - Python
 - SQL
 - Tableau

Barker College 2022 - Present

Robotics Mentor

Atomi 2021 - 2021

Junior Content Creator

- Generated educational content for Yr 11 Physics for Australian curriculums.

Tutor 2020 - Present

Private Tutor and W&T Academy Tutor.

ACHIEVEMENTS

Barker College 2021

- School Vice-Captain and Prefect
- Featured Research Article author in The Australian Institute of Physics Magazine
- Vindin Leaving Certificate Prize (highest ATAR achieved in cohort of 347)
- High Distinction in The Australian Maths Competition
- Credit in the UNSW Maths Competition
- 3rd place in the ROWE Scientific Investigation Award Physics for STANSW Young Scientist
- Maths Extension 2 Prize (1st in cohort)
- Head of Barker College's Endeavour Award
- Captain of Robotics "4613 Barker Redbacks" Electronics and Pneumatics Team (2018-21)
- Member of Robotics FRC Hall of Fame Inductee Team (2021)
- 2nd XI Football Team (2022-21)

OTHER INTERESTS

- Community Volunteering at OzHarvest
- Fitness and social sport

REFEREES

Brad Caldwell-Eyels

Managing Director

1st City Real Estate

M: 0414 246 652

Jeser Becker

Head of Robotics

Barker College

M: 0424 530 639