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Harry Breden

EDUCATION

Bachelor of Science (double advanced major in Mathematics and Data Science), The University of Sydney 2022
- Weighted average mark (WAM): 92.2
- 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 Dalyell 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
  - o Python
  - o SQL
  - o 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	**Jeser Becker**
Managing Director	Head of Robotics
1st City Real Estate	Barker College
M: 0414 246 652	M: 0424 530 639