

## 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
  - 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
- Expected completion: 2024
- Scholarships recipient:
  - Farrand Science Scholarship
  - Plumian Scholarship
- Prizes
  - 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
- 3<sup>rd</sup> place in the ROWE Scientific Investigation Award Physics for STANSW Young Scientist
- Maths Extension 2 Prize (1<sup>st</sup> 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)
- 2<sup>nd</sup> XI Football Team (2022-21)

## **OTHER INTERESTS**

- Community Volunteering at OzHarvest
- Fitness and social sport

## **REFEREES**

### **Brad Caldwell-Eyels**

Managing Director

1<sup>st</sup> City Real Estate

M: 0414 246 652

### **Jeser Becker**

Head of Robotics

Barker College

M: 0424 530 639