

BRIAN ONG

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SUMMARY

I am a Data Scientist with a deep curiosity about leveraging large datasets to drive business decisions. Throughout my university journey, I have consistently explored how to transform raw data into actionable insights to solve complex problems. Moreover, my academic background in Computer Science has equipped me with expertise in Python, R, SQL and AI/ML knowledge. Additionally, with proficiency in Power BI and Tableau, I am able to craft impactful dashboards and solutions with precision and efficiency. My hands-on projects also clearly demonstrate the real-world impact of data on business performance. Ultimately, I am eager to apply my skills and continue gaining industry experience to make meaningful contributions.

WORK EXPERIENCE

Oscorp Energy

Sydney, Australia

Data Science and AI Intern

December 2024 - present

- Researched lithium battery recycling and emerging green energy solutions to guide project development.
- Designed and deployed object detection models in complex problems on AWS using Python, achieving over 87% precision with YOLO, RCNN, and FasterRCNN frameworks with multiple backbone models.
- Analyzed and preprocessed large vector and image datasets, generating insightful visualizations and developing XAI methods, workflow to enhance understanding of black-box models.
- Conducted hypothesis testing to identify factors affecting model inefficiency and implemented data-driven optimizations.
- Collaborated with the robotics team to embed trained models into sensors, ensuring seamless integration and enhanced functionality.

PTE Master

Sydney, Australia

Data Analyst Intern

November 2023 - February 2024

- Collaborated with cross-functional teams and stakeholders, collected feedback to address project challenges, translating them into actionable data-driven tasks.
- Prepared and managed datasets using Microsoft Azure Data Lakes and Snowflake Data Warehouse for efficient analysis and presentations.
- Ensured data integrity and consistency through queries to do extraction, transformation, manipulation, and storage using SQL, Python, and DAX.
- Conducted A/B testing to evaluate ideas and analyze customer behavior, enhancing UX design and optimizing user interactions with products and websites.
- Developed automated triggers for Power BI, created insightful dashboards in both Power BI and Excel to deliver high-quality outcomes to drive data-informed decisions.

SKILL

- Programming language: R, SQL, Java, Python (Pandas, Pytorch, Numpy, Scikit learn, Keras, etc.).
- Data Visualization tools: Tableau, Power BI, Excel.
- Cloud and Data Analytic Platform: AWS, Azure Microsoft, Snowflake, Microsoft Fabric, Alteryx.
- Statistical and Testing method in Statistic: A/B test, Hypothesis test.
- Operating system, Frameworks: Git, Github, MacOS, Linux, Windows and Microsoft Office.
- Transferable Skills: Teamwork, Interpersonal skills, Leadership, Time Management, Problem-solving, Analytical thinking, Presentation, Attention to detail.

EDUCATION

University Of Wollongong

Bachelor of Computer Science (AI and Big Data)

June, 2023 - June, 2025

- Achievement: UOW Excellent scholarship 30%

Diploma of Information Technology

October, 2022 - June, 2023

- Achievement: UOW College scholarship 50%

CERTIFICATES

- Advanced Data Analytics (Google, Coursera September, 2024).
- Data Science & Actuarial Job Simulation (Standard Bank, Forage September, 2024).
- Power BI Job Simulation (PwC, Forage August, 2024).

REFEREES

Available upon request.