

William Feng

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A recent graduate with a double degree in Computer Science and Statistics, I am a self-motivated individual deeply fascinated by the dynamic landscape of technology. Committed to continuous learning, I bring a proactive approach to contributing to successful team outcomes, driven by a passion for problem-solving and a natural enthusiasm towards tackling new challenges.

EDUCATION

University of New South Wales (Feb 2020 - Dec 2023)

- **Bachelor of Science (Mathematics & Statistics) / Bachelor of Science (Computer Science)**
 - **High Distinction WAM**
 - The Faculty of Science Dean's List for Academic Excellence (2020)
 - The Faculty of Engineering Dean's Award for Best Performance (2020)
 - UNSW Science Achiever Award – \$6,000 Scholarship (2020)

North Sydney Boys High School (2014 - 2019)

- **ATAR: 99.85**
 - All-round Achiever in 12 units of courses (English Adv., Mathematics Ext. 1 & 2, Chemistry, Economics, IPT)
 - Top Achiever in accelerated HSC Course – 9th in NSW for Information Processes and Technology (2017)

TECHNICAL SKILLS

- **Backend Languages:** Python, C, Java, Go, Rust, Haskell, SQL, Bash
- **Frontend Languages:** HTML, CSS, JavaScript, React
- **Others:** AWS (Certified Cloud Practitioner), Git, Docker, Splunk, Terraform, ELK Stack, R, LaTeX, MATLAB

PROFESSIONAL EXPERIENCE

Software Developer Intern | Atlassian (Dec 2023 - Feb 2024)

- Gained insight into the Observability Platforms team and diligently addressed infrastructure tickets to improve monitoring
- Learnt Go quickly from scratch, then developing a command line service to facilitate the tracing conducted by support engineers
- Documented and presented workflow, and crafted Splunk dashboards for future maintenance, in turn earning positive sentiment

Casual Academic | UNSW & UNSW Global (May 2021 - Dec 2023)

- Tutored classes of 30 students in many courses with varied proficiency, explaining complex concepts in a digestible manner
- Provided personalised assistance in labs and help sessions, with comprehensive assignment feedback and exam marking
- Cultivated inclusive learning environments, prompting participation through slides, diagrams, Kahoot quizzes and code reviews

Associate Software Engineer | Macquarie Group (Dec 2021 - Aug 2023)

- Engineered a cost-effective Python trade interface, leveraging AWS Cloud products to streamline Equities team operations
- Initiated the concept of automated frontend testing through Cypress and seamlessly integrated it into the CI/CD pipeline
- Resolved backend bugs, writing tests, and actively contributed to stand-ups, sprint planning, retrospectives, and demos

Site Reliability Engineer Intern | Optus (Jun 2021 - Dec 2021)

- Understood the benefits of adopting a DevOps, agile workflow mindset, and implemented the SLO/SLI in production
- Ingested transformed data into the system, performed composite aggregations and established dashboards with the ELK Stack
- Created over 40 alerts and developed machine learning scripts to automate and reduce mean anomaly detection time by 96%

PROJECTS

ESGlow (Nov 2023)

- Orchestrated the team as scrum master, driving the agile development and culminating in a tailored ESG platform for investors
- Architected core components by designing a resilient database schema, configuring Docker, and building backend endpoints
- Pivoted to the React frontend with UI overhauls and crafted innovative components that garnered outstanding client feedback

Otto Recommender System (Aug 2023)

- Participated in a five-week Kaggle competition focused on predicting customer interactions, achieving a top 1% placement
- Implemented a two-stage Reranking model, alongside LightGBM, XGBoost and Word2Vec, applying ensemble techniques

VOLUNTEERING

IT/ Publications Director | UNSW Data Science Society (Feb 2020 - Feb 2023)

- Led a team of 7, ensuring that the student network stayed connected through the fortnightly newsletters and blogs
- Redesigned the website to incorporate new features using the Jekyll framework, improving user retention by 240%
- Created a series of data visualisations after conducting analytics into the society registration, website, and social media metrics

Events Coordinator | Real Skills Education (Jun 2020 - Jun 2021)

- Generated PowerPoint slides and scripts for upskilling workshops, bridging the gap between students and the workplace
- Presented interactive workshops to students across multiple universities and subsequently hosted activities and Q&A sessions

PERSONAL PASSIONS

- Piano (ABRSM Grade 8 – Distinction)
- Mathematics, Data and Programming Competitions
- Volunteer Piano Performer at Aged Care Centres
- First-aid qualified, Red Shield Appeal, Duke of Ed
- Badminton, tennis, running, hiking, poker
- Fluent in English, Chinese (Mandarin & Cantonese)