

William Feng

Mobile: 0450 581 742 | Email: williamfeng2001@gmail.com

LinkedIn: <https://www.linkedin.com/in/williamfeng1/>

Website: <https://www.williamfeng.com.au/>

A persevering Advanced Mathematics / Computer Science student with a fascination in the field of STEM. Always motivated to learn, passionate about problem-solving and can communicate ideas to others proficiently.

EDUCATION

University of New South Wales

(Feb 2020 - Dec 2024)

- Bachelor of Science (Advanced Mathematics) (Honours) / Bachelor of Science (Computer Science)
 - WAM: 92.500
 - UNSW Science Achiever Award – \$6,000 scholarship (2020)
 - ARC Centre of Excellence Undergraduate Scholarships in Climate Extremes – \$3,800 scholarship (2020)

North Sydney Boys High School

(2014 - 2019)

- HSC Courses: English Advanced, Mathematics Ext. 1, Mathematics Ext. 2, Chemistry, Economics, IPT
 - ATAR: 99.85
 - All-round Achiever in 12 units of courses
 - Top Achiever in accelerated HSC Course – IPT state rank 9th (2017)
- Peer Support Leader (2017), Study Group Liaison/Mentor (2017 - 2018), Social Justice Committee (2017 - 2018), Archiving (2017 - 2018), Environment Recycling (2018), Ventures Society (2018), Peer Mentor (2018), Library Monitor (2015 - 2019)

TECHNICAL SKILLS

- Programming Languages:** C, Python, HTML, CSS, JavaScript, SQL, R
- Others:** LaTeX, Maple, GeoGebra, Adobe Suite, Microsoft Office

PROFESSIONAL EXPERIENCE

Academic Tutor at Dr. Du Education & The Brain Education

(2020 - Present)

- Teaching Mathematics and English to classes of 15 students in an engaging manner
- Refining their understanding through analogies, stimulating group discussions and sharing exam techniques
- Providing comprehensive feedback in marking quizzes, homework and essays, with line-by-line annotations

Private Tutor

(2019 - Present)

- Improving the ranks of Year 12 students (both one-to-one and small groups) by over 80
- Preparing resources and organising the structure of each lesson beforehand
- Empathising with students to alleviate their stress during the HSC, making the learning process more enjoyable

Data Processor at ASIC

(Aug 2020 - Oct 2020)

- Annotating prospectuses by extracting information from PDF documents and categorising into Excel spreadsheets
- Automating the risk rating process for the company by analysing files efficiently, boosting their workflow productivity

Intern at CSIRO Data61

(Jul 2019)

- Engineered a notification system for employees during the one-week work experience
- Challenged myself to program other products through the Arduino platform due to interest in problem-solving
- Praised for enthusiasm and ingenuity of implementing new ideas beyond the initial requirements

PROJECTS

Fury of Dracula

(Jul 2020)

- Implemented AIs that mirror the actual strategy game, where four hunters try to chase Dracula across a map of Europe
- Collaborated effectively in a well-structured team using an agile approach, with organised stand-ups and pair programming
- Scored full marks in the assignment for COMP2521 (Data Structures and Algorithms), our AIs ranking in the top 8 teams

VOLUNTEERING

IT/ Publications Director at UNSW Data Science Society

(2020 - Present)

- Revamping the design of the main website and publishing fortnightly newsletters and blogs within the portfolio
- Conducting data analytics into our social media outreach, devising strategies to improve advertising performance

Business Development Subcommittee Member at UNSW Cloud Society

(2020 - Present)

- Networking and drafting up emails with industry leaders for potential sponsorship opportunities, expanding society growth
- Organising and hosting live events held throughout the term to ensure that they run smoothly

Events Coordinator at Real Skills Education

(2020 - Present)

- Creating PowerPoint slides and drafting up scripts for upskilling workshops to bridge the gap with the workplace
- Presenting workshops to students across multiple universities and facilitating activities or Q&A sessions

PERSONAL PASSIONS

- Piano (ABRSM Grade 8 – Distinction)
- Self-learning in multiple online tech-related courses
- Mathematics and Programming Competitions
- Volunteer Piano Performer at Aged Care Centres
- First-aid qualified (St John's Ambulance)
- Red Shield Appeal, Duke of Edinburgh (Bronze)
- Badminton, tennis, hiking, photography, chess
- Fluent in English, Chinese (Mandarin & Cantonese)