Bill Fan

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I'm a Computer Science and Cybersecurity student with full-stack software development experience, having made personal web applications and a Chrome extension with a 5 star rating. I've always found a way to learn about technologies, of which I'm most familiar with Python and JavaScript. I'm looking to apply my problem-solving skills to projects while getting the opportunity to collaborate professionally.

EDUCATION

University of Sydney   *02/2023 –12/2026 (estimated)*

- Bachelor of Advanced Computing, Computer Science & Cybersecurity major, 75.9 WAM
- Enrolled in advanced stream units for artificial intelligence and mathematics
- Revolutionised my attitude to learning and evolved my personal work ethic
- Created solutions and algorithms for previously unseen problems, even those with vague definitions
- Facilitated teamwork in diverse groups to accomplish varying goals, including:
    - A database system and records keeping website, involving relationships and queries over multiple database tables, using PostgreSQL, Flask and Bootstrap
    - A Java application in a 5-person scrum team, utilising unit/integration testing using JUnit, CI/CD automation using Jenkins, containerisation using Docker, and stand-ups & retrospectives over a 6-week period
    - Data analytics, using linear models and cross-validation in R to predict wine quality based on input variables, presenting our findings in a lecture theatre at the end of the assignment
    - Creating artificial intelligence that plays Connect-4 in Python, using minimax algorithm and alpha-beta pruning
    - A report planning the project management of a fictitious software project, including cost/time baselines, work breakdown structures, and management of risk, quality and outsourcing.
    - Developing a secure, encrypted instant-messaging webapp using Flask, signing our own SSL certificate, using WebSocket communication and password hashing with bcrypt

Girraween High School (94.65 ATAR)   *2017 – 2022*

EXTRACURRICULARS

Overwatch Team Captain   *03/2025 – 05/2025*
for Sydney Uni Society of Gamers

- Liased with other teams to organise match times and resolve schedule conflicts over 5 weeks
- Organised substitutions for our team of 5 players and communicated with tournament organisers

NSW Government Digital Job Simulation   *02/2025*
on Forage

- Completed a job simulation focused on digital solutions for NSW Government
- Developed a communicated policy ideas to reduce data breaches
- Identified customer requirements for an End of Life Journey service offering

PERSONAL PROJECTS

Facebook Marketplace Odometer Filter   *(2025)* [Chrome Web Store link]

Created a Chrome extension that allows users to filter vehicle listings by mileage/odometer value.

- Utilised JavaScript and the Chrome extensions API, connecting a popup script to a content script that modified the DOM of the Facebook Marketplace page

- Identified an area for improvement, adding functionality to an existing system.

- Learned how to learn with minimal guidance, using the internet and the relevant Chrome documentation

- Published on the Chrome Web Store, with a 5 star rating, at 27 users and counting!

Calendarsite *(2025)* [Site link]

Developed a full stack web app that allows users to create groups and events, and invite other users to join them.

- Utilised Django (Python) to create backend logic for creation of events and users, handling of form requests, and utilising server-side rendering

- Implemented a REST API with authentication to enhance front-end functionality, allowing users to create events and see different changes displayed depending on the server's response.

- Designed home page and calendar page with HTML, CSS and JavaScript

SKILLS

- Proficiency in Python (5 years), Java, HTML, CSS, JavaScript, SQL, R, Git, and Unix
- Familiarity with C, C++, Docker, Jenkins, Google Cloud Platform, and CI/CD tools
- Understanding of algorithm design, machine learning, and statistical methods
- Attention to detail
- Teamwork and communication, from university, extracurriculars, and casual work

WORK EXPERIENCE

Tea-Rista - Chatime *10/2023 - 11/2024*

- Communicated clearly and effectively to customers, enhancing customer satisfaction
- Collaborated with other team members to efficiently coordinate schedules and workflow
- Trained new team members, helping them understand standard operating procedures