Jerold Shin

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Education	**UNSW**	**2021 - 2024**

Education

UNSW — **2021 - 2024**
Bachelor of Science (Computer Science) — University
75.27 WAM (current)

Academic Achievement Award (AAA) Scholarship

Parramatta High School — **2015-2020**
98.55 ATAR — Secondary Education

Projects

Value Betting Software (Python) — **2024**
Software that identifies live bookmaker pricings with positive expected value
https://github.com/jss02/Value-betting-software

- Developed software to scrape live odds of sports events from bookmakers using selenium and BeautifulSoup4
- Implemented parsing functionality to convert raw html text into dictionaries containing odds, team names, and datetime objects of events
- Calculated true odds of events using Pinnacle's odds to find value in other bookmakers' pricings
- Created robust error handling mechanisms to manage the dynamic issues caused by changing website structures and content variability

Twitter Fake News Detection Software (Python) — **2023**
Fake news detector plugin for twitter using LLMs in a team of 5

- Developed software to scrape live website contents from top google search results based on relevant news headlines
- Parsed scraped contents into structured lists of readable strings for model input
- Practiced scrum (agile) framework

UNSW Streams backend app — **2021**
Python backend server for Microsoft Teams replica 'UNSW Streams' in a team of 4

- Developed user authentication and session management with JWT
- Implemented API endpoints featuring JWT authentication
- Built password reset functionality with email reset code using smtplib
- Created user profile picture upload function and user file management
- Wrote unit tests for API endpoints with high coverage using pytest

Volunteering

Peer Support Training — **2019**

Volunteered in helping year 7 students improve their literacy skills through 1-on-1 assisted reading sessions each morning at roll call

Skills

Programming Languages

Python, HTML, CSS, JavaScript, C, Java, SQL