

Jerold Shin

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EDUCATION

The University of New South Wales

Bachelor of Science (Computer Science)

Sydney, Australia

Feb 2021 – Dec 2024

- Grade: Distinction (76 WAM)
- Academic Achievement Award (AAA) Scholarship

Parramatta High School

High School Certificate

Sydney, Australia

Feb 2015 – Nov 2020

- ATAR: 98.55
- Peer Support Volunteer

EXPERIENCE

Academic Tutor

2022 – 2024

Self-Employed

Sydney, Australia

- Provided private tutoring to high school students, with tailored lessons in mathematics and physics to meet individual needs and learning styles
- Communicated difficult concepts effectively by leveraging visual aid, analogies, and example walkthroughs to clarify misunderstandings
- Fostered supportive environments by providing non-judgmental and encouraging feedback, allowing students to comfortably ask questions and make mistakes

PROJECTS

NRL.com Data Scraper | *Python, PostgreSQL, BeautifulSoup4*

Jan 2025

- Implemented web scraper that extracts match details, team statistics, and player statistics from NRL.com
- Designed and developed PostgreSQL storage solution for match data
- Developed bulk scraping functionality to retrieve match data for multiple seasons or rounds
- Addressed content variability through adaptive parsing by identifying potential missing data points and assigning appropriate default values

Arbitrage Betting Software | *Python, Selenium, pytest*

Jul 2024 – Aug 2024

- Developed software that identifies live bookmaker prices with positive expected value
- Implemented web scraping functionality that collects live prices from dynamic bookmaker websites
- Implemented raw HTML parser that produces JSON objects containing match details from scraped contents
- Ensured robust error handling mechanisms by incorporating exception management and structural validation of web pages and data, addressing dynamic website structures and content variability

UNSW Streams Backend App | *Python, Flask, pytest*

Sep 2021 – Nov 2021

- Developed Python backend server for messaging app 'UNSW Streams' in a team of 4
- Implemented API endpoints featuring JWT authentication
- Implemented secure user login and register with SHA-256 encryption
- Built password reset functionality with email reset code using smtplib
- Designed and wrote unit tests for API endpoints with high coverage using pytest

LEADERSHIP EXPERIENCE

Football Team Coach

Apr 2024 – Aug 2024

Toongabbie Demons Soccer Club

Sydney, Australia

- Led and managed players aged 21+ in the Toongabbie Demons AAM6 white team
- Managed in-game substitutions while balancing team performance and fair game times for players
- Conducted training sessions to improve team and individual weaknesses
- Communicated actively with players to gather feedback, devise strategies, and implement tactical changes

TECHNICAL SKILLS

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

Frameworks: React, Node.js, pytest, Selenium, Flask

Developer Tools: Git, Docker, Jira, Linux