Jerold Shin

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Education

UNSW   **2021 - 2024**
Bachelor of Science (Computer Science)   University
76.2 WAM

Academic Achievement Award (AAA) Scholarship

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

Projects

Presentation Maker Frontend   **2024**
React app for making presentations

- Developed a Single Page Application with user authentication, presentation management, and slide customization features

- Built modularized and reusable React components to enhance maintainability and development efficiency

- Utilized the Axios library for API interactions with backend for CRUD operations

- Created unit tests for components using Jest and React Testing Library

- Implemented UI tests with Cypress to ensure overall app functionality and reliability

EdStem Forum Replica Frontend   **2024**
Single Page Application for EdStem forum replica in Vanilla JavaScript

- Designed and developed responsive frontend with dynamic DOM manipulation

- Integrated frontend with RESTful API backend using fetch for asynchronous data handling

- Implemented key features such as User Authentication, Thread Management, Comments & Replies, and User profiles

- Managed user state and session data with localStorage

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

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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

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Skills

Programming Languages

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