

Haotian Wang

Developer seeking an
Internship or Graduate
Program

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Summary

Early-career software engineer with a strong academic record (WAM 88.8/100) and hands-on experience building responsive, production-like web applications.

Comfortable across the modern frontend stack (React, JavaScript/TypeScript, HTML5/CSS3) and automated testing (Unit + Cypress E2E).

Focused on writing clean, maintainable code, collaborating effectively, and delivering reliable user experiences.

Technical Skills

Programming:

JavaScript, TypeScript, Python, Java, C

Frontend:

React, HTML5, CSS3

Testing & Quality:

Unit Testing (React components), End-to-End Testing (Cypress), Test Coverage & Reliability

Databases:

SQL, MySQL, PostgreSQL

Tools & Practices:

Git, Modular Component Architecture, Code Reviews, Documentation, Agile Fundamentals, Team Collaboration

Internship Experiences

TSQUARE AI SOLUTIONS PTY LTD

Jun. 2025 - Sep. 2025

Front-end developer

- Participated in the frontend development of an AI-driven architectural and interior design website built with React and TypeScript frameworks;
- Built corresponding front-end components and dynamic effects based on high-fidelity prototype diagrams in Figma, and fine-tuned pages to achieve 1:1 pixel-perfect restoration of the original prototypes;

Beijing EDUCHAINX Technology Co., Ltd

Aug. 2023-Sep. 2023

Test Engineer

- Conducted comprehensive functional test for the national competition platform of Blockchain technology (23 functional bugs were reported, of which 6 were classified as critical);

- Conducted security test for the platform (16 security vulnerabilities were found, including one ranked as high-risk);

Experience

BigBrain / Front-End Programming

Mar. 2025 - Apr. 2025

Sydney

- Built a responsive application in React for interactive quiz creation and management, including user authentication, session management, and real-time gameplay using a modular component architecture;
- Implemented dynamic data visualisation components to surface real-time game analytics and player performance metrics;
- Established a comprehensive testing approach with unit tests for React components and end-to-end tests using Cypress to improve reliability and maintainability through automated coverage;

LurkForWork / Front-End Programming

Feb. 2025 - Apr. 2025

Sydney

- Architected and developed a LinkedIn-inspired social networking platform using vanilla JavaScript with secure user authentication, dynamic profile management, and job posting workflows supporting multimedia;
- Designed intuitive UI features for professional networking, including threaded comments, user activity tracking, and image upload flows;

Monitoring System for BGP Hijacking

May. 2023-Aug. 2023

Research Assistant

- Processed data downloaded from publicly available data sources, including the prefixes' routing tree, peer information, and the diff of the prefix to which the AS belongs;
- Completed the function of sending and receiving messages in subscriber's own channel by calling Slack's API interface;

Machine Learning Winter Programme (Online)

Jan. 2023-Feb. 2023

University of Cambridge

- Kept abreast of the latest developments of Artificial Intelligence, learned the principles, components and applications of Reinforcement Learning and Convolutional Neural Network
- Wrote a paper named The Application of Generative Adversarial Network in Generating Faces

Management System of Hospital Information

Sep. 2022-Dec. 2022

- Created a management system of Hospital Information using MySQL with the functions of patient account services,

appointment booking, case recording, and prescribing;

- built Graphical User Interface (GUI) for the database by using PyQt5;

Education

UNSW / Master's in Information Technology

Sep. 2024 - PRESENT

Sydney

WAM: 88.8/100

Beijing Institute of Technology / Bachelor's in Cyberspace

Science and Technology

Sep. 2020 - Jul. 2024

Beijing, China

WAM: 83.42/100