SHAYNE WANG

Sydney, NSW

LinkedIn | GitHub | Portfolio

ABOUT

Master's graduate in Artificial Intelligence from UNSW, solely responsible for the development and contributing to the product management of Scypher, a cutting-edge Web3 platform.

SKILLS

Frontend Development	React, Next.js, Gatsby, Reown, Wagmi, Bootstrap, Ant Design
Programming Languages	Python, C/C++, Shell, PostgreSQL, MySQL
Development Tools	Git, Vercel, Docker, Axure, Figma, Canva, Cypress, Catch2

WORK EXPERIENCE

Frontend Developer   **Oct 2024 - Now**
Scypher.co

- Independently developed and deployed Scypher's website from scratch, integrating blockchain APIs (Reown, Wagmi, Solana) to enable transactions on Ethereum and Solana networks.
- Implemented Google Analytics for data monitoring and utilized Vercel for seamless website deployment and scaling.

Teaching Specialist   **May 2019 - Nov 2020**
Golden Education

- Reduced teacher costs by 40% for 2,500+ events; recruited 40+ teachers, raising conversion from 4% to 7%. Boosted branding: 10,000+ Weibo followers, 200,000+ Bilibili views, 50,000+ Tiktok plays; analyzed 10,000+ surveys to improve recruitment and services.

Teaching Research Specialist   **Dec 2018 - May 2019**
Golden Education

- Established standardized teaching plans for the "Financial Management" course, analyzed course performance, and provided academic support for internet-based teaching; trained and supported graduate instructors.

ACHIEVEMENTS

SpotFinder: Coding Fest Outstanding Project Idea Award-Usyd   **Feb 2024 - Present**

- Developed a scalable platform with React and Go to optimize urban parking, enhancing city traffic flow and reducing emissions.
- Conducted market research, initiated the project, designed a prototype, developed the frontend, and participated in the 2024 UNSW Peter Farrell Cup to enhance our approach. Attracted over 3,500 views. Received the Outstanding Project Idea Award at Coding Fest 2024.

Sumobot: 4th place in the final competition-UNSW   **Jun 2023 - Aug 2023**

- Designed, built, and programmed an Arduino Nano-based sumo robot with sensors and actuators, implementing C++ algorithms for movement and control.

EDUCATION

University of New South Wales   **September 2022 - August 2024**
Master of Information Technology, Artificial Intelligence

- Related Coursework: Web Front-End Programming, Human Computer Interaction, Database Systems, Computer Vision, Machine Learning and Data Mining, Neural Networks and Deep Learning, Advanced C++ Programming

Hefei University   **September 2015 - June 2019**
Bachelor of Finance

- Related Coursework: Linear Algebra, Calculus, Probability Theory

- Outstanding Group Leader (April 2017)

- First Prize in the National College Student Innovation and Entrepreneurship Project (November 2017)

LIBRARIES AND PROJECTS

- **Airbrb** *(React, Bootstrap, Ant Deisgn)*: an Airbnb clone, online rental platform with property listings, bookings, payments, and user management.

- **Slackr** *(JavaScript)*: a messaging platform with extensive chat features like user registration, channel management, real-time messaging, and private chats.

- **Pigs** *(Shell)*: a Shell-based version control system, simplifies Git-like operations with features for repository initialization, file indexing, commit management, log viewing, and status checks.

- **Sheepy** *(Python)*: a Shell-to-Python transpiler.

- **SolarScan AI** *(Python, SMV, ResNet, CNN, SIFT, ORB)*: detects solar panel defects using EL imaging with strong performance across diverse datasets.

- **AgriHealth AI** *(Python, ResNet18, VG166, YOLOv10, CNN)*: automated leaf disease ensembgle classifier achieving 99% accuracy.

- **Word Ladder** *(C++)*: algorithmic library of word transformation generation via breadth-first search (BFS), optimized for finding all shortest possible paths in the word ladder problem.

- **Filtered String View** *(C++)*: optimizes operations on filtered strings with operation including character filtering, efficient bidirectional iterators, and implements copy/move semantics.

- **GDWG** *(C++)*: graph data structure for node and edge management.