Haolin Wu

hello@haolin.dev ❖ 0450 988 769 ❖ Perth, WA

EDUCATION

University of Western Australia   **2020 – 2021**
Bachelor of Science (Honours), Computer Science and Software Engineering **|** GPA: 6.38, WAM: 80.05

University of Western Australia   **2016 – 2019**
Bachelor of Science, Computer Science and Data Science

Scotch College   **2010 – 2014**
- Dual Scholarship Recipient (in Academics and Music). Awarded colours of achievement in Academics, Music, Badminton and Chess.

EXPERIENCE

Software Engineer   **2022 – Present**
Telstra
- Working in Telstra Product Engineering developing and maintaining various components of Telstra.com.
- Lead the development in Telstra Outages, a tool used by millions of customers to visualize network outages and outage areas.
- Lead the development in Telstra Navigation, the site-wide navigation menu and search used by customers and businesses for their mobile plans and devices.
- Lead the development of Telstra Plus, Telstra's internal customer rewards and points store.
- Lead the development of Telstra Enterprise & International, Telstra's portal for enterprise and global user-base.
- Engineering site-wide involves React, TypeScript, Redux, AEM and Java, through a variety of modern practices such as Test Driven Development (TDD), continuous integration and deployment. Additionally, used logging and monitoring for traffic and statistics through Splunk and New Relic.

Backend Software Engineer   **2021 – 2022**
FairSupply Analytics Pty Ltd.
- Developed a REST API using Django Rest Framework to replace an existing NoSQL database to improve referential integrity and scalability.
- The frontend leveraging the API was extended from a legacy AngularJS application with TypeScript, and then containerized using Docker, with continuous integration through GitHub Actions. A Secure Development Lifecycle (SDLC) was used, along with Test Driven Development (TDD) approaches. The application was deployed on AWS using high availability, durability and fault tolerant techniques.

Casual Academic   **2020 – 2021**
The University of Western Australia (part-time)
- Casual Academic for *CITS3403* Agile Web Development (HTML/JS/CSS) and *CITS3004* Cybersecurity. Teaching agile methodologies, Python3 web frameworks, and continuous integration and deployment techniques.
- Teaching containerization through Docker, web vulnerabilities, white hat hacking, and cyber-attack prevention.

Full-Stack Engineer   **2019 – 2020**
UWA Centre for Software and Security Practice
- Project management web application system developed for the Raine Study, a scientific study collecting data over 30 years from a cohort of participants.
- Project authentication pipelines were built using agile methodologies with Python/Django backend and JQuery frontend technologies, while deploying to AWS services such as EC2, RDS, and S3.

Software Engineering Intern   **2018 – 2019**
Corporate Governance Risk Pty Ltd.
- User interface and user experience (UI/UX) development of software for BHP, PwC, and other companies using Ruby and React.

CERTIFICATIONS AND AWARDS

Amazon Web Services   **Jun. 2024 – Sept 2027**

Certified Developer - Associate
- Validate technical proficiency in developing, testing, deploying and debugging AWS Cloud-based applications.
- Credential ID: **39f65590da65435a85317be84113c3ba**

Certified Cloud Practitioner
- Foundational, high level understanding of AWS Cloud, services and terminology.
- Credential ID: **5f314fd11a4f4d8681b501195c0a76cb**

Telstra   **Feb. 2022 – Present**

Cybersecurity Engineering Champion
- Certified Telstra Security Champion. Managing, reviewing and ensuring that code meets modern security requirements and addresses potential exploits and vulnerabilities.

Product Engineering Champion of the Month
- Recognised as the Product Engineering Chapter Champion, an award given for significant contributions to the business, for developing the Global Navigation for the customer facing website.

Innovation Hackathon Semi-Finalist
- Developed a prototype concept for *Telstra Pay*, a product leveraging existing Telstra ecosystem resources to access the Buy now, Pay later market.

The University of Western Australia   **2020 – 2022**

Teaching Commendation
- Awarded for teaching and commitment in Agile Web Development and Cybersecurity, teaching modern web principles, security vulnerabilities and industry standards.

Unearthed AWS Hackathon   **2018**
- Won the Young Innovators Award for prototyping using a web application, a system that would allow for mining resources to be managed more efficiently to improve resource delivery for BHP.

VOLUNTEERING

Telstra Graduate Mentor   **2023 – Present**
- Organised weekly catch-ups to check in on new graduates and their progress throughout their graduate program.
- Developed custom individually tailored plans to help accelerate career progression and growth for new graduates.

UWA Information Security Society   **2020 – 2021**

Founder and Committee Member
- Planned and managed informational content for members to learn and improve their knowledge around the cybersecurity space.
- Organised events to promote club growth and socialising amongst members and club partners.

PROJECTS AND HIGHLIGHTS

- https://www.haolin.dev | Portfolio to display work across my career | NextJS/React/TypeScript/Tailwind
- https://www.archeeapp.com | Websocket implementation of Planning Poker for Agile sprint planning | React/Websockets/NextJS/SEO
- *Discord Utilities* | Automated CI/CD pipeline and bot development system for managing users across the Discord application | TypeScript/DiscordJS/CI-CD/GitHub Actions
- https://www.snake.haolin.dev | HTML, JavaScript and CSS implementation of the classic Snake game

More projects and highlights can be seen on my portfolio at https://www.haolin.dev

Hobbies: Piano | Art | Badminton | Basketball | Photography