

Zuxing Wu

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PERSONAL SUMMARY

Experienced and solution-oriented coder with a wide variety of professional experiences. Adept at motivating self and others. Passionate about data security and software optimisation. Always Tend to learn something useful from surrounding people.

EDUCATION

University of Adelaide

Master of Computer Science (GPA: 5.8 / 7)

Expected July 2025

Adelaide, SA

- **Relevant Coursework:** Introduction to Statistical Machine Learning, Mining Big Data, Distributed Systems, Specialised Programming, Event Driven Computing, Applied Natural Language Processing, Search Based Software Engineering, Software Process Improvement, Mobile and Wireless Systems

Jiangsu Normal University

Bachelor of Software Engineering (GPA: 78 / 100)

September 2011 – May 2015

Jiangsu, China

EXPERIENCE

DECODATA

Full Stack Developer Intern

November 2024 – Present

Adelaide, SA, Australia

- Developed a web application for users asking questions and getting answers from specially trained LLM model through API.
- Dockerized the application and deployed it on AWS EC2, continuously updating the application and monitoring the database.

Nanjing Fitech Data System Co., Ltd

Data Engineer & Technical Support Specialist

July 2018 – July 2020

Nanjing, Jiangsu, China

- Conducted research and developed multiple data submitting systems.
- Resolved all types of issues appeared during system testing.
- Assured systems are deployed successfully and clients can submit data correctly.
- Wrote validation formulas and stored procedures to validate data in database.
- Optimized database queries, reducing page load times by 15% and enhancing overall application performance.

Wonders Information Corp., Ltd Nanjing Branch

Software Developer & Database Maintenance Engineer

July 2015 – July 2018

Nanjing, Jiangsu, China

- Conducted research and developed data management systems.
- Fixed all types of issues arise in process of system testing.
- Troubleshoot and resolve anomalies encountered by clients while using products.
- Executed program scripts monthly to report production data; Assured smooth submission of business data; Generated data reports for every cycle.

PROJECTS

NDIS Knowledge Hub Chatbot | React.js, AWS EC2, Supabase, Docker

- Created a simple login and chat page for users asking NDIS-related questions, integrated with Supabase.
- Saved users' chat history into Supabase to ensure users can continue their conversation after refreshing the page.
- Deployed the chatbot on AWS EC2 using Docker, which can handle 1000+ users simultaneously.

Bill-Spilt Android APP | Flutter, RESTful API, LLM, Firebase

- Designed and developed a mobile application to split bills among house mates, which can reduce conflicts.
- Fetched tenants' daily usage data through APIs and displayed it on interfaces using bar charts and pie charts, helping users to understand their usage habits.
- Implemented a chatbot named Butler to send tenants system-level notifications/warnings through Firebase. Assured tenants and landlords can chat with each other.
- Integrated the app with the OpenAI API to provide users with useful usage summary and recommendations.

UI Energy Consumption Optimisation | Java, Maven, Python, Optimisation Algorithm, Automation

- Reduced UI energy consumption by changing the RGB parameters of each widget, still ensuring text readability.
- Implemented automated snapshot capturing and energy consumption calculation in the process of optimisation.
- Wrote a Python script to read saved energy consumption and show value changes by line charts.

SKILLS

Languages: Java, Python, C++, C#, TypeScript, JavaScript, Shell, HTML, CSS, SQL

Technologies: React.js, Flutter, AWS, Docker, Supabase, Firebase, RESTful API, CI/CD, GitHub, Oracle, MySQL

Concepts: Full-stack, Artificial Intelligence, Machine Learning, API, Database management, Agile Methodology, Cloud Computing

REFEREES

Dr. Adel Nikfarjam

Postdoctoral Researcher | Supervisor

University of Adelaide

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Dr. Maryam Hasani Shoreh

Senior Machine Learning Scientist | PhD

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