

# Zuxing Wu

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## EDUCATION

### University of Adelaide

Expected July 2025

Master of Computer Science (GPA: 5.8 / 7)

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

September 2011 – May 2015

Bachelor of Software Engineering (GPA: 78 / 100)

Jiangsu, China

## EXPERIENCE

### DECODATA

November 2024 – Present

Full Stack Developer

Adelaide, SA, Australia

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

### Nanjing Fitech Data System Co., Ltd

July 2018 – July 2020

Data Engineer & Technical Support Specialist

Nanjing, Jiangsu, China

- Conducted research and developed multiple data submitting systems.
- Resolved all types of issues arise during system testing. Ensured systems are deployed successfully and clients can submit data correctly.
- Wrote validation formulas and stored procedures to validate data in database.
- Analysed data quality to ensure 100% data accuracy and compliance.
- Optimized database queries, reducing page load times by 15% and enhancing overall application performance.

### Wonders Information Corp., Ltd Nanjing Branch

July 2015 – July 2018

Software Developer & Database Maintenance Engineer

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; Ensured smooth submission of various business data; Generated data reports for every cycle.

## PROJECTS

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

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

### Bill-Split Android APP | Flutter, RESTful API, LLM, Firebase

- Designed and developed a mobile application to split bills among housemates, which can reduce conflicts.
- Fetched tenants' daily usage data through APIs and displayed it on interfaces using bar charts and pie charts, helping them to understand their usage habits.
- Implemented a chatbot named Butler to send tenants system-level notifications/warnings through Firebase. Ensured 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

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

## SKILLS

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

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

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