

Lorraine Gao

0490832662

lorrainegao0212@gmail.com

GitHub: <https://github.com/lorraine-gao>

Working rights: Full-time work eligibility (485 Temporary Graduate Visa)

CAREER PROFILE

- Graduate Software Engineer with a master's degree in IT with Excellence from UNSW.
- Seeking a Full Stack Developer role, with experience in building web applications using C# and .NET Core, contributing to backend API development and database integration in a full-stack team project.
- Capable of developing frontend interfaces using React and TypeScript.
- Strong problem-solving and analytical skills, with a track record of mentoring peers and collaborating effectively in cross-functional teams.

PROFESSIONAL SKILLS

- Backend: C# (.NET Core), PostgreSQL, Entity Framework, RESTful API
- Frontend: React, TypeScript, HTML, CSS
- Tools: Git, GitHub, Docker, CI/CD (GitHub Actions, Docker Compose), Dash/Shell Scripting

RELEVANT PROJECTS

Match Group & Research Project System

- Developed a web application for student group formation and research project matching, **integrating an LMM model** for automated analysis.
- Implemented backend endpoints **using .NET Core** and **designed PostgreSQL schemas** for efficient data management.
- Collaborated with front-end developers to **integrate APIs** and containerized the application using **Docker** for streamlined deployment.

Airbnb clone website

- Developed a **React-based frontend** simulating Airbnb, enabling landlords to list properties and users to browse, book, and leave reviews.
- **Integrated Material UI (MUI) components** for UI design and connected with backend APIs for dynamic data rendering.

Public Transport API Enhancement

- Rebuilt a **RESTful API** using Flask, adding features like checking route connectivity and bus availability of an existing German public transport system API.
- **Integrated Gemini API** to generate descriptive texts about attractions along public transit routes.

WORK EXPERIENCE

Tutor | CPU Education Company

Feb 2024 - Now

- Taught Front-end Development and Shell Scripting to 30+ students per term, receiving high ratings.
- Developed structured lesson plans to enhance students' practical skills.

Christmas Sales Associate | UGG Australia

Oct 2024 - Dec 2024

- Provided customer-focused service in a fast-paced retail environment during Christmas.
- Achieved up to \$2,500 in daily sales through effective communication and product recommendations.

EDUCATION

Master of information technology

2023 - 2024

UNSW Sydney | Excellence graduate | WAM: 81

Bachelor of Commerce (Data Analytics & Business Intelligence)

2018 - 2022

Zhongnan University of Economics and Law | second faculty scholarship | WAM: 83