

I'm Ke Zhu (Wilson)

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EXPERIENCE

Student Researcher

January 2024 - May 2024

University of New South Wales

- Constructed and researched applications of Large Language Models (LLMs) in education and biomedicine.
- Created a model to preprocess student short answer questions and marking criteria into a specific prompt structure.
- Utilized the OpenAI GPT API to accurately assess answers and generate relevant feedback.

Web Developer

August 2023 - January 2024

Wise Stay

- Created and maintained website for Wise Stay, a startup Airbnb hosting company.
- Utilized JavaScript to connect with Airtable for storing property information.
- Developed various sorting options for users.
- Collaborated on backend integrations to ensure smooth payment processing and listing management.
- Website url: <https://www.wisestay.com.au>

High School Mathematics and Business Tutor

September 2022 - August 2023

Uwin Education

- Tutored high school students in mathematics and business.
- Developed lesson plans, distinct homework, and communicated with students.

High School Mathematics Tutor

May 2022 - September 2022

Talent 100

- Taught high school mathematics, planned teaching content, graded homework, and maintained student engagement.

SKILLS

- Programming Languages: C, Java, JavaScript, Python, TypeScript
- Web Development: HTML, CSS, React, Node.js, Git
- Databases: MySQL, PostgreSQL, Python psycopg2
- APIs: OpenAI API, Google Map API, RapidAPI
- Data Structures: Binary Search Tree, Heap, Hash Table
- Algorithms: Searching, Sorting, Binary Search, Dynamic Programming
- Tools: Git, JSON, Site Builders
- Project Management: Agile methodologies

EDUCATION

Bachelor of Computer Science

February 2022 - Present

University of New South Wales

- Current third-year student with an 80.4/100 WAM.
- Participating in the UNSW ChallEng program, Connected Health project.
- Recipient of the Taste of Research scholarship for Generative AI Teaching Assistant.
- Estimated to graduate at May 2025.

AWARDS

International Student Award

Honour Roll Student
Web Application Security- Schools Cyber Security Challenges
94.95 ATAR in HSC
Taste of Research - Generative AI Teaching Assistant scholarship

PROJECT

price-advice

December 2023 - Present

Own project

- Techs Stack: HTML, CSS, JavaScript, Node.js, RapidAPI, Git, SQL, Google Map API, JSON
- Developed a full-stack project to track real estate pricing and renting information using Google Map API and GeoJSON.
- Implemented click-able suburbs on map to send backend requests for real estate data from RapidAPI.
- Github repo: <https://github.com/Rrzk23/PriceAdvice>

Generative AI teaching assistant(Open question AI marker)

February 2024 - Present

University of New South Wales - Taste of Research

- Techs stack: Python, Git, JSON, OpenAI API
- Taste of Research project under academic leader Ms Yuchao Jiang in UNSW. Project aims to use GPT4 to automatically mark student's response given question and marking criteria to GPT4
- <https://github.com/Rrzk23/gptApiMark/tree/v1>