

LINYI PENG

☎ (61) 0413608688 ✉ [Email](#)  [linkedin](#)  [github](#)

EDUCATION

Master of Information Technology

Sep 2022 – Aug 2024

University of New South Wales

- Grade: 81/100
- Course: Foundation of computer Science 93/100, Python Programming 93/100, Artificial Intelligence 81/100, Neural Networks and Deep Learning 86/100

Bachelor of Science with Applied Mathematics

Aug 2018 – Jul 2022

University of Birmingham and Jinan University (Joint degree program)

- Grade: GPA 4.0 | Honours, Class 1

PROFESSIONAL EXPERIENCE

Casual Tutor – Foundation of Computer Science

June 2024 – Present

University of New South Wales

Sydney, Australia

- Conduct weekly tutorials to support students in understanding key concepts.
- Assist students with **predicate logic**, **graph theory**, **recursive definitions**, and **algorithm design**.
- Delivered comprehensive tutorials and academic support, resulting in high student satisfaction.
- Received a teaching survey response rate of 63.3% (19 out of 30 students). Achieved a high level of positive feedback, with **94.7%** of respondents agreeing or strongly agreeing that they were satisfied with the quality of teaching, and **84.2%** strongly agreeing.

PROJECTS

Learning management system | Flask, React, Docker, MySQL

March 2024 – June 2024

UNSW Capstone Project

Sydney, Australian

- Implemented a full stack learning manage website that support enrolling/dropping course, upload/download teaching materials, student forums by using **Python Flask**, and **Javascript, React**.
- Developed Role-Specific administration and user authentication for students, teachers and tutors.
- Implemented token-based authentication using **PyJWT**, **hCaptcha** for bot protection, and **Flask-Mail** to send verification emails, ensuring secure and verified user access.
- Containerized the app in **Docker** in order to synchronize cross-platform dev development.

AirBrb accomodation website | React, Javascript, Ant-D

Sep 2023 – Nov 2023

UNSW Web Front-End Course Project

Sydney, Australian

- Developed the interactive front-end web with **React**, **HTML/CSS**, **Javascript**, **ANT-Design**, Hooks.
- Integrated user authentication for landlords and renters, enhancing security and personalization.
- Enabled landlords to list rentals and renters to apply, enhancing platform utility.
- Crafted a responsive, intuitive interface, boosting navigation and user experience.
- Implemented automation testing using **Cypress**, ensuring robust functionality and user interface reliability.

Uni-Music Music Website | React Redux, Tailwind Css

Jan 2024 – Mar 2024

Sydney, Australian

- Developed a Music App utilizing **React**, **Redux**, and **Tailwind CSS** for the front-end, creating a dynamic and responsive user interface.
- Integrated **Rapid API** to fetch music data, ensuring a wide range of music streaming options and up-to-date content for users.
- Implemented User authentication, search, playlists API by **Flask**, enhancing user engagement and penalization of the music listening experience.

EXTRACURRICULAR ACTIVITY

Front-end Web Developer

Sep 2023 – Feb 2024

Innovative Trends Creation Society Club

Sydney, NSW

- Served as a Front-end Developer within a collaborative effort involving over 25 developers, focusing on the creation of an innovative part-time job platform.
- Leveraged AI technology to optimize the platform, enabling efficient and flexible matching for part-time employment opportunities.

SKILLS

Languages: Python (Proficient), Java (Good), JavaScript(Good), HTML/CSS
Technology:React, MySQL, Spring Boot, Flask, React, Node.js, Docker
Tools: Git, Linux, AWS, VS Code