

# ZHONGHE ZHENG

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## Education

### Master of Information Technology - The University of Melbourne

Jul 2023 - Jun 2025

- Major in Distributed Computing, High Distinction WAM: 85.
- Courses: Internet & Web Development, Cloud Computing, Distributed Systems, Data Structures & Algorithms, Heuristic AI Algorithms, Data Analysis & Machine Learning.

## Experience

### Backend Developer Intern | Kulaa Global

Feb 2025 - Current

- Designing and implementing scalable RESTful APIs for Kulaa's restaurant management and admin platforms using Spring Boot and MongoDB.
- Develop secure, efficient payment processing pages integrated with Kulaa's mobile app

### IT support Intern | SisterWorks Springvale

Nov 2024 - Mar 2025

- Enhanced cybersecurity awareness by launching a GoPhish email simulation on Oracle Cloud with domain spoofing—cutting click rates by 30% and saving over \$10,000 per year versus third-party solutions.
- Created a Slack based ticketing system for Salesforce post-migration support and used Python pandas to restructure data for a smoother data migration.

## Projects

### Personal Website | [Website](#)

Javascript, HTML, CSS

Created a personal portfolio website to showcase projects and skills. Tested and refined website to ensure compatibility across various devices.

### Splendor AI Agent | [Github](#)

Python

Led a team of 3 to implement an AI agent for Splendor game, utilizing Reinforcement Learning and heuristic algorithms to achieve  $O(1)$  search time complexity, optimizing performance for subject tournaments.

### FoodieSky | [Github](#)

Spring Boot, MySQL

Built a high-concurrency food delivery backend system using Spring Boot, Spring MVC, MyBatis, Redis, and MySQL. Designed and implemented RESTful APIs for seamless frontend-backend integration and optimized order processing, ensuring efficient real-time performance under heavy user load.

### Visit Melbourne Visualization | [Github](#)

R Shiny, Tableau

Built an interactive visualization site that showcases Melbourne's top attractions and helps users navigate the city using R Shiny with Tableau. Ranked No.1 out of 100+ teams in the class.

### Auto Emporium | [Website](#)

WIX, Trello

Coordinated a team of 4 in developing a car parts website as Scrum Master, applying agile methodologies to manage sprint planning, conduct daily stand-ups, and remove impediments, ensuring effective team collaboration and continuous project progress.

## Skills

**Languages:** Java | JavaScript | Python | SQL | HTML | CSS | R | BASH Script

**Frameworks & Tools:** React | SpringBoot | GIT&Github | MongoDB | Redis | Postman | Cloud Platforms | Docker | Linux