

WEIXI GUAN

Software Engineer | Melbourne, Australia | (+61) 411 146 832 | chris322322@gmail.com

LinkedIn - [linkedin.com/in/weixi-guan](https://www.linkedin.com/in/weixi-guan) | **GitHub** - github.com/ChrisioGwaan | **Portfolio** - www.chrisiogwaan.com

EXPERIENCE

Total Game Development

Melbourne, Australia

Software Development Intern (Contract)

Dec. 2024 – Mar. 2025

- Contributed to new ship and battleship unit's implementation for a Visual Studio C++ game project, including ship creation, rendering, movement, pathfinding, and debugging pointer issues within a DLL-based module project.

ABC Academy of Music (Canada)

Melbourne, Australia

Backend Development Intern (Contract)

Jul. 2024 – Nov. 2024

- Engineered Java-based microservices architecture using Spring Boot and JPA to improve backend modularity and scalability.
- Established Jenkins CI/CD pipelines, streamlining deployments and reducing downtime significantly.
- Resolved 30+ functional, logical, and security issues through Agile sprints, ensuring robust application performance.

Guangdong Jianke Innovation Technology Research Institute Co., Ltd.

Guangzhou, China

Software Engineer Intern (Full Time)

Jul. 2023 – May. 2024

- Developed Spring Boot applications, implementing business logic and task scheduling to enhance maintainability.
- Engineered efficient data access layers with MyBatis Plus, achieving improved database query performance.
- Enhanced response performance of 20+ Java RESTful APIs, significantly improving user experience.
- Identified and resolved over 120 security, performance, and usability defects, reducing user-reported issues by 50%.
- Integrated and developed 7+ Vue.js frontend components, seamlessly connecting them with backend Java APIs for smooth data manipulation and user interaction.
- Regularly presented technical progress to cross-functional teams, translating issues clearly to non-technical stakeholders.

RMIT University

Melbourne, Australia

Assignment Projects

AWS Cloud System Development

Mar. 2023 – May. 2023

- Build a streamlined music query and subscription website using the Flask framework in Python.
- Implement streaming file operations for music using DynamoDB and S3 Bucket.

Scabble Game

Sept. 2022 – Oct. 2022

- Implemented a 2D grid-based Scrabble-like game using linked lists and node data structures to efficiently manage board state and game logic.
- Applied Breadth-First Search (BFS) algorithm to validate user-submitted letter tiles against a local English dictionary.
- Configured build and testing environments with CMake and performed debugging on Ubuntu Linux.

Neighbourhood Doctor App

Sept. 2022 – Oct. 2022

- Developed a cross-platform mobile application for local healthcare appointment scheduling using Flutter and Spring Boot.
- Implemented CI/CD pipelines using Codemagic for mobile deployment and Heroku for backend services.
- Collaborated in an Agile team environment with tasks managed in Jira, contributing to sprint planning and feature delivery.

EDUCATION

ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY UNIVERSITY

- Bachelor of Software Engineering**

Feb. 2021 – Nov. 2024

CSIT Society Member, ACS Certified by AHEGS (LEVEL 7)

WAM: 74

- Foundation Study**

Feb. 2020 – Nov. 2020

Excel in general and advanced mathematics, physics and programming

GPA: 3.8 out of 4

SKILL

Frontend

JavaScript, TypeScript, Dart, HTML, CSS, React.js, Next.js, Vue.js, Flutter, Admin SaaS

Backend

Java, Python, Spring Boot, JPA/Hibernate, MyBatis, Flask, Django, Express.js, Alibaba Nacos, RocketMQ

Cloud Storage

MySQL, MongoDB, PostgreSQL, DynamoDB, Git, S3 Bucket, BLOB

DevOps

GitHub Action, Jenkins, AWS EC2, Vultr VPS, Docker, Ubuntu, Linux, Debian

Game Develop

C++, CMake, BFS + DFS, LinkedList

Soft Skill

Agile, Cross-Functional Teamwork, Communication, Problem-solving, Self-Motivation, Critical Thinking

CERTIFICATION

IBM - Full Stack Software Developer Professional Certificate (V5), Generative AI: Elevate your Software Development Career

Microsoft - Microsoft Certified: Azure AI Fundamentals

Postman - Postman API Fundamentals Student Expert

RMIT University - Resilience and Adaptability

SPOKEN LANGUAGE

English, Cantonese, Mandarin