Runjia Zhang
Software Engineering Student

⊙ Auckland, NewZealand | ☎ 02102396903 | ✉ runjiazhang.nz@gmail.com | ⦿ Personal Portfolio

Profiles

○ ZingZing001   in runjiazhangnz   ✈ rzha972

Summary

Innovative Software Engineering Student in my third year at the **University of Auckland**, specializing in **web development, databases, and cloud solutions**. Experienced in **developing and optimizing software applications**, with a strong focus on **user experience and system performance**. Skilled in **collaborative development** and **Agile methodologies**, currently working on a **real-world web app** for **managing worker shifts and payroll**. Passionate about **solving complex problems through technology** and eager to contribute to dynamic software engineering teams.

Projects

Personal Portfolio   February 2025
Website about myself and projects
⦿ Website Link

A modern and fully responsive personal portfolio website built with HTML, CSS, and JavaScript. It features a dynamic project showcase, smooth scrolling, a mobile-friendly navigation menu with a hamburger toggle, and an elegant, professional design.

HTML, CSS, JavaScript, UI/UX Design

Watermark Removal   November 2024 - December 2024
Tool
Python based tool
which removes
watermark from PDFs
⦿ Python Watermark Removal Tool

A powerful and user-friendly tool for removing watermarks from PDF and Word documents. This application provides both fast and deep removal modes, through the combined use of HSV layer and RGB mask.

Python, Image Processing, Algorithm

EzShift   February 2025 - PRESENT
database-driven web
application aimed at
managing worker shifts and
payroll for a real-world
client/company
⦿ Working in Progress...

This app is built by a team of third-year software engineering students at the **University of Auckland**, the project features **role-based access control**, allowing administrators to assign shifts and process payrolls, while staff can view schedules, provide feedback, and access payroll details.

Using **MySQL** as the database, the app aims for a **user-friendly UI** inspired by big tech companies, ensuring intuitive interaction. The team follows an **Agile development methodology**, focusing on modular implementation and consistent updates across **HTML, CSS, JavaScript, and JSON files**, with all changes explicitly commented for clarity. The next steps include finalizing the **backend framework**, improving **UI/UX design**, and implementing a robust **database schema** to support scalability.

Agile, MySQL, HTML, CSS, JavaScript, UI/UX Design

Guess Who's The Thieve   June 2024 - October 2024
JavaFX and AI driven based
game
⦿ Guess Who's The Thieve

Guess Who's the Thief is an interactive, AI-driven mystery game that challenges players to uncover clues, interrogate suspects, and solve a high-stakes art theft case. This project combines gameplay with OpenAI-powered dialogue and voice interaction, creating an engaging experience for players.

Prompt Engineering, Java, JavaFX, OpenAI, UI/UX Design

Ring Counter   March 2024
ATmega328P Microcontroller Programming

- Programmed an ATmega328P microcontroller for a counter.
- Designed and implemented Binary up counter/ Ring counter.

Chip Programming, ATmega328P, C

Venue Hire System   March 2024
Java based application, focused on OOP in
Java
⦿ Venue Hire System

The **VenueManager project** is a comprehensive solution for managing venue bookings and additional services such as catering and music. The project emphasizes object-oriented programming principles including inheritance, polymorphism, and encapsulation.

Java, OOP

Risk Map Game   May 2024
Implemented a strategic board game inspired
by "Risk" using Java
⦿ RiskMap Game

- Utilized Graph data structures to model the game map with countries as nodes and edges representing neighboring relations.
- Developed algorithms (DFS,BFS) for shortest path calculation and tax computation for crossing borders.

Java, DFS, BFS, Algorithm

Odd & Even Hand Game   July 2024
Odds and Evens is a simple hand game
implemented in Java
⦿ Odd & Even

In this game, a human player faces off against an artificial intelligence (AI) named HAL-9000. The game combines elements of chance and psychology, as HAL-9000 attempts to learn the behavior of the human player and predict their moves.

Java, OOP

Experience

Iking Tech China   Nov 2024 - Dec 2024
Software Engineering Intern   SHAANXI, China
⦿ https://www.ikingtech.com/

- **JavaScript Development:** Dedicated **50+ hours** to learning **JavaScript**, focusing on **DOM manipulation** and **web application development**. Developed a **simplified e-commerce web application** using vanilla JavaScript, HTML, and CSS, applying **OOP principles** and UI/UX best practices.
  ⦿ GitHub: JavaScript Amazon Project
- **Application Development:** Designed and built a **cross-platform watermark removal tool** for PDFs, images, and Word documents, addressing an organizational need. Integrated **PyQt5, PyMuPDF, and python-docx** for batch processing, **fast/deep removal modes, and customizable settings**.
  ⦿ GitHub: Watermark Removal Tool
- **Agile Development Training:** Completed **85+ hours** of Agile methodology training, including **daily team meetings** and **mentor-led lessons**. Gained hands-on experience in **strict Agile workflows, project timelines, team collaboration**, and best practices for **high-quality software development**.

University Of Auckland   December 2024-PRESENT
Graduate Teaching Assistant   NewMarket, Auckland
⦿ GTA Profile

Supported academic staff in delivering course content through **tutoring**, and **laboratory supervision**.

Assisted in preparing and **conducting tutoring and supplementary sessions, supervised fieldwork, and graded assessments**.

Gained valuable experience in **teaching, mentoring, and academic facilitation** while contributing to the university's academic activities.

YumCha Resturant   2021-2022
Senior Waiter/Supervisor   Sylvia Park

Managed daily restaurant operations, ensuring high service standards and customer satisfaction, while training and mentoring staff, overseeing scheduling, resolving conflicts, coordinating with the kitchen on orders and special requests, and professionally handling customer inquiries and complaints.

Tutor   2020-2021
Piano Tutor

Provided individualized piano instruction to students of all ages and skill levels, developing personalized lesson plans, monitoring progress with constructive feedback, adapting teaching methods, and fostering a positive learning environment to inspire a passion for music.

Hulucat   2021-2024
Barista   Auckland

Ensured guest satisfaction with milk tea by promptly addressing issues, supported team goals by assisting servers with food running and beverage refills, facilitated seamless service through effective communication with FOH and BOH staff, greeted guests professionally while accurately taking orders, and built strong relationships with co-workers, management, and customers through positive communication.

Education

Botany Down Secondary College   2017 - 2022
Physics, Calculus, Chemistry, Digital Programming   NCEA Level 1,2,3
Achieve with Excellence

University Of Auckland   2023 - PRESENT
Software Engineering   Engineering
6.75 GPA (Engineering Based)

Volunteering

Half Moon Bay Beach Cleanup Crew   May 2019
Cleanup Crew   Half Moon Bay Beach

- Participated in organized beach clean-up events to remove litter and debris, contributing to environmental conservation efforts.
- Worked collaboratively with a team of volunteers to cover designated areas, ensuring thorough and efficient cleaning. Educated local community members about the importance of maintaining clean and healthy beach ecosystems.

Elim Church Christmas Packing Crew   December 2020
Packing Crew   Elim Church, Dannemora

- Participated in the Christmas packing crew at Elim Church, preparing and assembling holiday packages for families in need.
- Collaborated with a team of volunteers to efficiently organize and pack a variety of items, including food, toys, and clothing.

Student Tech Assistant   2022
Lead Student/Prefect   Botany Down Secondary College

- Provided technical support to college students and faculty, ensuring efficient operation of computer systems and software.
- Assisted in the maintenance and troubleshooting of college computer labs and technology equipment.
- Resolved a variety of hardware and software issues, contributing to a seamless learning and teaching experience.
- Conducted training sessions for students on the use of technology tools and software applications.

References

Zhang Yong
Regional Manager for Ikingtech SHANXI
⦿ Company Website
Email: zhangyong@ikingtech.com
Mobile: +86 13571871022

Iris Liu
Store Manager, Manager & Staff
Email: mzhmak.martin@gmail.com
Phone: 642102865912

Vivian Darby
Botany Downs Secondary College Whanue Leader
Email: v.darby@bdsc.school.nz

Awards

Piano Level 10	2020	**Black-Belt Second Dan**	2023
China Musician Association		Botany Taekwon-Do	
⦿ https://www.chnmusic.org/		⦿ https://botanytaekwondo.co.nz/	
Lead/Prefect Student Team	2022	**NCEA Level 1,2 & 3 Excellence Endorsement**	2022
Botany Secondary College		NCEA	
Peer Support Leader	2022	**President of ICT (technology) Committee**	2022
Botany Down Secondary College		Botany Down Secondary College	

Languages

English
Proficient
● ● ● ● ●

Chinese (Mandarin)
Native
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