

Zoea Chen

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Website

Linkedin

I began coding in 2019 and completed an internship as a **full-stack developer** at a startup from 2020 to 2021. Then I graduated with a 2:1 bachelor degree in **Computer Science** from the University of Nottingham in 2023. After moving to New Zealand, I transitioned to using **React, C# and Node.js**, earned an International **Software Testing** Qualifications Board (ISTQB) certification, and placed in the top ten at Google's "AI for Good" hackathon. Currently, I am a full-time Master's student in IT at the University of Auckland and work part-time as a motel receptionist.

Education

Master of Information Technology *University of Auckland*

07/2024 - 11/2025

- Cloud Computing Architecture (AWS)
- Health Data Analytics
- Advanced Internet: Global Data Communications

Bachelor of Computer Science *University of Nottingham*

09/2019 - 06/2023

- Second Class Honours (Upper Division) degree.
- Topics: Fundamental Computer Science (Computer Networks, Computer Architecture), Data Structures and Algorithms, Software Engineering, Software Maintenance and Testing, Human-Computer Interaction, Computer Graphics etc.

Work Experience

Internship - Database Specialist *NUSEUM - An AI-driven digital museum specializing in nutrient physiology and pharmacology.*

12/2024 - 02/2025

- Optimized and standardized database content by writing **Python** scripts to acquire and organize data from the internet, improving data integrity and accessibility.
- Designed and enhanced database structures to better support NUSEUM AI DOCENT, improving data query performance and interaction efficiency.
- Collaborated with a **cross-national team** (South Korea) to synchronize database updates, ensuring data consistency and efficient version control.
- Standardized data storage methods and optimized data organization, enhancing system maintainability and scalability.

Internship - Full-Stack Developer *JumBox - A Startup company creating leading internet products to bring about societal change.*

10/2020 - 06/2021

- Developed a mini-program for the university's Stress Relief Week, focusing on the front-end using **Vue.js**.
- Utilized the canvas.js API to create personalized posters, facilitating rapid user engagement, which resulted in over 3,000 alumni being online simultaneously.
- Handled the back-end development using Java **SpringBoot**, creating APIs for the front-end to perform data operations such as create, read, update, and delete (CRUD).
- Coordinated with the UI design and client teams to ensure the developed features met requirements. Used Jira for task and schedule management, employing an agile approach to ensure timely and quality development progress.
- Conducted software testing using **JUnit** and Vue Test Utils, performing system and regression testing before the software's official release.

Projects

GenGPT-X *Ningbo, China*

09/2022 - 06/2023

An Automated Generation of the Intention Progression Problem Benchmark

- Developed a website using **Java**, **Spring Boot**, **JavaScript**, **Vue**, and **MySQL** to address the current lack of user-friendly goal-plan-tree generators.
- Improved the structure of the generator and applied it to a real-world problem. The final software, named **GenGPT-X**, included real-world examples to demonstrate its functionality.
- Detailed the development process, the improvements made to the goal-plan-tree generator, and its application to real-world problems.
- Enabled **Agent researchers** to simulate **Agent decisions and actions**, reducing the amount of **code** required in their studies.

Technical Skills

- Front-end Development: HTML, CSS, JavaScript, TypeScript, Ajax, Vue.js, React
- Back-end Development: Java, SpringBoot, Python, Junit, C#, Node.js
- Database: MySQL, AWS Services
- AI APIs: Google Vertex AI
- Project Management: Git, Agile, Trello
- Testing: Junit

Community Involvement

Volunteer - Python Tutor at Teach Girls Coding Program *Online*

09/2021 - 03/2022

- Helped over 30 women from various industries get started in **Python** programming.
- Provided personalized coding lessons and mentorship.
- Created and delivered instructional materials and exercises.

Participant Hackathons *Online*

03/2024 - 05/2024

- Placed in the top 10 at the "AI for Good" hackathon organized by Google and SegmentFault. Developed innovative AI solutions to address social and environmental issues.
- Led a team to develop software that generates personalized storybooks for individuals with autism.
- Designed and implemented customizable templates to cater to specific needs and preferences.

Certificates

Certified Tester: ISTQB® Certified Tester Foundation Level 4.0

Achieved ISTQB® Certified Tester Foundation Level 4.0 certification. Demonstrated proficiency in fundamental software testing principles and practices. Validated skills in designing and executing effective test cases and strategies.

References Available On Request