

# Nora Wang

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## Skills

**Programming:** Java, C++, HTML, CSS, SQL

**DevOps:** Linux, Nginx, Docker, MySQL, Maven

**Technologies:** Tomcat, Android SDK, Cross-Platform development

**Developer Tools:** VSCode, (IntelliJ IDEA, Clion), Android Studio, Git

## Work Experience

### Avocado Mobile Inc

JAVA SOFTWARE DEVELOPER

Sep. 2023 - Apr. 2024

- Developed and enhanced new features for children's educational and entertainment games, contributing to the creation of engaging and interactive experiences for young users.
- Led the porting of games from Apple iOS to Android platforms, ensuring seamless functionality and performance across multiple devices and operating systems.
- Conducted rigorous testing and debugging to ensure high performance, reliability, and stability across both iOS and Android platforms, addressing platform-specific issues effectively.
- Collaborated with cross-functional teams including designers, QA testers, and product managers to implement game mechanics, improve user interfaces, and enhance overall user experience.
- Optimized game performance by refining Java code and ensuring compatibility with various Android devices, improving load times and reducing crashes.

## Project Experience

### Chamber Crawler 3000+ game

TEAM PROJECT, C++

Jul 2024 - Aug 2024

- Implemented a modular item system using C++ with a focus on scalability and flexibility, allowing dynamic interaction with in-game items including potions, treasures, and special items.
- Collaborated in a team environment, utilizing **Git** for version control, conducting code reviews, and managing project tasks to ensure high code quality and continuous integration.

### News Project

PERSONAL PROJECT, JAVA

Mar 2023 - Jun 2023

- Developed a news article management system with a scalable backend using microservices architecture, enabling efficient storage, retrieval, and updating of news content.
- Implemented a search feature using **Elasticsearch** for fast and accurate retrieval of news articles based on keywords and metadata, and content moderation by detecting sensitive words and images using **Tesseract OCR (Tesse4j)**, ensuring compliance with content guidelines and regulations.
- Designed a system for viewing news articles with **MySQL** as the database, ensuring efficient data storage and management. Utilized **MinIO** for handling object storage, enhancing the flexibility and performance of the system.
- Integrated **Kafka** to manage and update the status of news articles in real-time, improving the reliability and scalability of content updates.

### Food Ordering System

PERSONAL PROJECT, JAVA

Aug 2022 - Oct 2022

- Developed a responsive web page for restaurant staff to efficiently manage dishes, combos, and customer orders with **HTML, CSS**.
- Implemented a mobile mini-program enabling customers to browse the menu, add items to a shopping cart, place and pay for orders, track order status, cancel orders, and receive notifications for order updates.
- Utilized **SpringBoot, Spring MVC**, and **MyBatis** frameworks to create a robust, scalable backend architecture, supporting seamless interaction between the frontend and backend.
- Leveraged **Nginx** for efficient frontend-backend communication and Git for version control, ensuring smooth deployment and consistent application updates.

## Education

### University of Waterloo

B.A. IN SOFTWARE ENGINEERING

Waterloo, ON

Sep. 2021 - Aug. 2026

- Relevant coursework: Foundations of Sequential Programs, Data Structures and Data Management, Software Engineering Principles, Introduction to Database Management