

# Yiwen (Echo) Wang

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Vancouver, BC

[LinkedIn](#) | [GitHub](#)

## Technical Skills

**Languages:** Java, JavaScript/TypeScript, HTML5, CSS3, Python, C, Kotlin, OCaml, Rust

**Frameworks & Libraries:** React, Next.js, Angular, Tailwind, Material UI, Node.js, Express.js

**Database:** MySQL, PostgreSQL, MongoDB

**Testing & DevOps:** Playwright, axe-core, Docker, Jenkins, GitHub Actions, AWS, GCP

## Work Experience

**Software Engineer Intern – RAZR Marketing, Vancouver** Jan 2024 - Aug 2024

- Collaborated with UX designers to develop scalable front-end features with Angular, implementing state management with RxJS and NgRx following agile dev practices.
- Developed robust a back-end validation for purchase rebate feature in collaboration with senior engineers, ensuring high-quality code and maintainable architecture
- Built & automated 500+ E2E tests with TypeScript, Playwright and Cypress, increasing test coverage by 40% and ensuring stability.
- Automated nightly test executions with Jenkins CI pipelines, reducing manual QA effort by 80% and improving deployment efficiency.
- Integrated containerized testing applications using Docker on AWS (S3, EC2, Lambda), optimizing performance and scalability.

**E-Commerce Specialist – China Merchants Bank, Shanghai** Jan 2019 - Jun 2020

- Collaborated with product and technical teams to integrate e-commerce solutions for large-scale banking applications, boosting sales by 20% during promotional periods.

**Social Media Specialist – Trip.com Group, Shanghai** Jun 2017 - Dec 2018

- Executed data-driven marketing strategies, increasing user engagement by 20% and follower count by 30%.

## Projects

**Couserai (AI-Powered Course Generator)** *Next.js, Typescript, Prisma, OpenAI API, Stripe*

- Developed a full-stack web application with focus on maintainable architecture and code quality. Built and integrated payment processing system using Stripe API.
- Implemented secure user authentication and API protection using OAuth and JWT.
- Established automated CI pipeline using GitHub Actions for reliable deployments.

**Personal Portfolio** *React, Next.js, Typescript, Tailwind CSS*

- Built a responsive web application emphasizing clean code architecture and performance optimization. Focused on responsive design principles.
- Implemented server-side rendering and efficient state management patterns.

**DriveThruDiet (Health Mgmt App)** *Node.js, Express.js, EJS, Google Maps API, MongoDB*

- Developed both frontend and backend components of a full-stack health management application, integrating Google Maps API for restaurant discovery and MongoDB for efficient data persistence.
- Collaborated in an agile team, participating in code reviews and pair programming.

## Education

**British Columbia Institute of Technology** Jan 2023 - May 2025

Diploma in Computer Systems(CGPA: 96%)

BCIT Academic Award-2024 Fall

**The University of Hong Kong – Master in Psychology**

Sep 2021 - Sep 2022

**Peking University – Bachelor in Chinese Literature & Sociology**

Sep 2013 - Jun 2017