

Elijah Zhao

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EDUCATION

University of British Columbia

(90% CGPA) BSc Computer Science, Minor in Math

Vancouver, BC

Sep. 2024 – May 2028

TECHNICAL SKILLS

Languages: Java, Python, C, C++, PostgreSQL, JavaScript, Typescript, HTML/CSS

Frameworks: Spring Boot, React, TailwindCSS, Node.js, GSAP, Django

Cloud & Serverless: AWS (Lambda, DynamoDB, Amplify, Bedrock), Supabase

Developer Tools: Git, BitBucket, JUnit, VS Code, IntelliJ, Cursor, Figma

WORK EXPERIENCE

Woohelps International Technology LTD

May 2024 – Aug 2024

Software Development Engineering Intern

Saskatoon, SK

- Built a full-stack apartment-listing platform (**React, Django, PostgreSQL**); served **~400** weekly users and handled **~50** listings/day.
- Deployed RESTful image & listing APIs processing **1.5k requests/day** with median latency of **180 ms**; implemented S3 presigned uploads, reducing server bandwidth by over **50%**.
- Integrated the WeChat API for OAuth authentication, enabling cross-platform login used by **~80%** of users.

CLUB EXPERIENCE

UBC Biztech Developer | Next.js, Lambda, DynamoDB, Serverless

August 2025 – Current

- Deployed a web application for event management and member networking. Built using **Next.js** with server-side rendering and **AWS Amplify**; reducing perceived load time by **~30%** and improving login performance.
- Built an NFC card routing system enabling **4000+** real-time connections for **270+** attendees at flagship conferences, reducing contact exchange time by **80%** through instant profile sharing

PROJECTS

NBASalary | Spring Boot, JPA, Python, React.js, TailwindCSS

August 2025 – September 2025

- Built a full-stack CRUD application with a **Spring Boot** backend and **PostgreSQL** database to manage NBA team data; deployed APIs on Render and integrated with a **React** frontend on Vercel to visualize salary cap data.
- Engineered an automatic **Python** scraper of player salaries and images for **500+** players using **BeautifulSoup** for HTML phrasing and extraction, and **psycopg2** for direct **PostgreSQL** upload.
- Built optimized REST APIs with **Spring Data JPA** supporting paging/filtering for rosters and stats.

Portfolio Website | React.js, TailwindCSS, GSAP, Vite

July 2025 – August 2025

- Developed a responsive personal portfolio using **React.js**, built and optimized with **Vite** for faster development.
- Used **TailwindCSS** and **GSAP** to create visually appealing animations to enhance the user experience.

Le-Cruiter AI | React.js, TailwindCSS, Python, FastAPI, AWS Bedrock

August 2025 – August 2025

- An AI-powered platform that simulates behavioral and technical interviews with microphone input; designed to address the lack of dynamic interview prep tools.
- Engineered an audio-to-text pipeline and used **AWS Bedrock (Claude 3 Sonnet)** for personalized feedback on clarity, filler words, and response structure.
- Implemented a **FastAPI** backend for code/behavioral analysis and question generation.

Connect Four AI | Java, Swing

May 2025 – June 2025

- Built a Connect Four AI using **Minimax + alpha-beta pruning**, with a JUnit test suite achieving **100% coverage** of core game logic.
- Achieved average AI decision time ≤ 100 ms with a search depth of **9**. Yielded consistent gameplay performance.
- Designed and developed session management, including game history tracking with step-by-step replay, supporting **100+ saved games**.