

Elijah Zhao

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EDUCATION

University of British Columbia

BSc Computer Science, Minor in Math

Vancouver, BC

Sep. 2024 – May 2028

WORK EXPERIENCE

Woohelps International Technology LTD

Software Development Engineering Intern

May 2024 – Aug 2024

Saskatoon, SK

- Built a full-stack apartment-listing platform (**React**, **Django**, **PostgreSQL**); served **~1,200** weekly users and handled **~100** listings/day.
- Deployed RESTful image & listing APIs processing **8k 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.

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/player 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 for components 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**
- Achieved average AI decision time \leq **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**.
- Implemented a JUnit test suite (50+ unit tests) achieving **100% coverage** of core game logic.

LEADERSHIP EXPERIENCE

UBC Men Mental Health Club

Media Coordinator

July 2025 – Present

Vancouver, BC

- Managed Instagram content as part of the executive team, growing the account's following by **20% in 2 months**.

TECHNICAL SKILLS

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

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

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

