

Elijah Zhao

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EDUCATION

University of British Columbia

Bachelor of Science, Major in Computer Science, Minor in Math

GPA: 89.9%

Expected Graduation: May 2028

TECHNICAL SKILLS

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

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

Cloud & Serverless: AWS (Lambda, DynamoDB, S3, Amplify, Bedrock), Supabase

Developer Tools: Git, JUnit, CI/CD, VS Code, IntelliJ, Cursor, Figma, Docker

TECHNICAL EXPERIENCE

Full-Stack Software Developer

August 2025 – Present

UBC BizTech

Vancouver, BC

- 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.
- Architected **DynamoDB** schema for user and event data, built **Node.js RESTful API** endpoints using **AWS Lambda**, and integrated **Stripe webhooks** automating over **\$10k** in membership updates and event confirmation.
- Built an NFC card system where users can tap their membership card on a phone to instantly share their profile.
- Enabled **4000+** real-time connections for **300+** attendees at conferences, reducing contact exchange time by **80%**.

Software Development Engineering Intern

May 2024 – August 2024

Woohelps International Technology LTD

Saskatoon, SK

- Built a full-stack apartment-listing platform (**React**, **Django**, **PostgreSQL**) serving **~400** weekly users.
- 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.

PROJECTS

Remember Me (Surge 2025) | Flask, AWS(DynamoDB, S3, Rekognition), React Native

October 2025

- Achieved **top 5 out of 200** teams with an assistive camera companion that recognizes familiar faces and announces names, relationships, and reminders to help Alzheimer's patients stay connected.
- Built a **Flask/Python** backend using **OpenCV** for real-time streaming and **AWS Rekognition** for face ID
- Implemented a **React Native** app to add and manage people profiles and memory albums. Persisted profiles and memory albums to **AWS S3 and DynamoDB**, and used AsyncStorage to cache profiles locally for offline use

NBAsalary | Spring Boot, JPA, Python, Java, 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.

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

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.
- Built an audio-to-text pipeline with **AWS Bedrock** for custom feedback on clarity, fillers, and response structure.
- Implemented a **FastAPI** backend with **10+ endpoints** for code/behavioral analysis and question generation.

Connect Four AI | Java, Swing, Junit

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 $\leq 100 \text{ ms}$ with a search depth of **9**. Yielded consistent gameplay performance.
- Integrated game history tracking with step-by-step replay, supporting **100+ saved games**.