



MingHao Yu

Backend / Full-Stack Developer

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PROFESSIONAL SUMMARY

Graduating CS student at UVic (1 course left), with practical experience in backend development using Java, Spring Boot, and SQL. Built and deployed personal full-stack projects, and learned frontend tools like React, JavaScript, and HTML/CSS to support them. Open, quick to learn, and looking for backend or full-stack roles to grow as a developer.

EDUCATION

Bachelor of Science in Computer Science

University of Victoria

Expected Graduation: December 2025

Relevant Coursework: Database Systems (A+), Web Development (self-taught), Data Structures & Algorithms (B+), Software Engineering, Object-Oriented Programming

TECHNICAL SKILLS

Languages

Java, JavaScript, SQL, HTML, CSS

Frameworks & Libraries

Spring Boot, Node.js, React (basic)

Databases

MySQL, PostgreSQL

APIs

RESTful APIs, Claude AI API, AlphaVantage API

Tools

Git, GitHub, IntelliJ IDEA, VS Code, Eclipse

PROFESSIONAL EXPERIENCE

Software Developer Intern

Shanghai Yangyu Software Company - ShangHai, China

Summer 2024 (3 months)

- Test and maintained 3+ backend modules for small business clients using Java and Spring Boot
- Designed and implemented SQL database solutions to manage data for over 10 client accounts
- Trained 15+ end users on software features, helping reduce support requests and improve adoption
- Worked closely with the development team to troubleshoot bugs and ensure smooth deployment
- Participated in code reviews to help improve readability and maintainability across the codebase

PROJECTS

AI-Enhanced Personal Note-Taking System

2024

Full Stack Web Application with AI Integration

- Designed and developed a personalized note-taking system with Spring Boot in a monolithic architecture, built to support my own learning through AI-enhanced content processing
- Integrated Claude AI API to summarize notes, extract key points, and support self-guided studying
- Built RESTful API endpoints to support full CRUD operations for notes, including creation, editing, and categorization
- Designed and implemented a MySQL database schema to store and retrieve user notes with categorization support
- Built a responsive web interface using HTML, CSS, and JavaScript, connected to backend APIs
- Included features such as AI-powered suggestions, keyword search, categorized filtering, and study session tracking

Technologies: Java, Spring Boot, SQL, HTML, CSS, JavaScript, Claude AI API, REST API integration, Git

Stock Market Analysis System

Early 2025

Full Stack Application with Financial Data Analytics

- Built a full-stack stock analysis platform with React frontend and Spring Boot backend in a separated architecture
- Integrated AlphaVantage API to fetch and process real-time stock data for technical analysis and trend detection
- Implemented technical indicators such as Moving Averages and RSI in Java to support stock trend analysis and signal generation
- Developed a system to generate buy/sell recommendations based on trend indicators like Moving Averages and RSI
- Created an interactive dashboard using JavaScript charts to visualize stock trends and technical indicators
- Designed RESTful APIs to connect frontend and backend services for stock data, indicators, and signal display

Technologies: Java, Spring Boot, JavaScript, REST APIs, SQL, AlphaVantage API, Technical Analysis Algorithms, Git

ADDITIONAL INFORMATION

Languages: English (Fluent), Chinese Mandarin (Native)

Interests: Soccer, Gaming, Fishing, Software Architecture