

# Kunlong He

Coquitlam, BC V3J 0K6 | kha112@sfu.ca | 778-861-4397

 <https://github.com/mark2515>  <https://www.linkedin.com/in/mark-he-235573293>

## Education

### Simon Fraser University

May 2022 – May 2026 (Expected)

Bachelor of Applied Science (BASc), Major in Computer Science

Burnaby, BC

Cumulative GPA: 3.5+

- 2024 Dean's Honour Roll by the Faculty of Applied Sciences
- School of Computing Science Undergraduate Scholarship (2x)

## Work Experience

### AI Chatbot Developer | Docker, MySQL, Vue, JavaScript, Node.js

Aug 2023 – Dec 2023

Fujian Zhimao Law Firm

Fujian, China

- Designed and developed advanced chatbots using the latest in Natural Language Processing (NLP) and the Langchain framework, including mainstream large language models (LLMs) like GPT-4.
- Implemented NLP and automation frameworks to streamline user interactions and provide basic legal consultations, significantly improving operational efficiency at the law firm.
- Built user-friendly interfaces and integrated backend systems using Vue, Node.js, and REST APIs, leveraging Alibaba Cloud for database hosting to ensure scalability and efficiency.

### Junior Frontend Developer | React, TypeScript, MUI, Jest, Storybook, Redux-toolkit

Aug 2021 – Nov 2021

Deloitte Digital

Shanghai · Remote

- Delivered over 20+ components, including 4 high-complexity components, forming the backbone of a widely utilized component library used by over 6,000 frontend developers and in more than 100 projects across Deloitte, enhancing developer productivity.
- Conducted comprehensive component testing using Jest to ensure code quality and robust functionality, achieving more than 95% coverage in all components which reduced bugs in production by nearly 50%.
- Implemented optimal approaches emphasizing reusability, accessibility, and modern UI standards, enabling developers to integrate components with minimal code and significantly reducing development time.

## Projects

### ShopWay Online Mall | MongoDB, Express.js, React, Node.js

Sep 2024

Individual Developer

[Website](#)

- Developed an e-commerce platform using the MERN stack, allowing users to search products, add items to cart, and manage purchases.
- Implemented RESTful APIs for user registration, login, and product management with Express.js and MongoDB, enabling seamless product listing, cart operations, and order processing.
- Integrated JWT and bcrypt to authenticate user identities, enhancing overall platform security.

### Battleship | React, JavaScript, HTML, CSS

Aug 2023

Team Developer (CMPT 276 - Introduction to Software Engineering, SFU)

[Website](#)

- Developed the user interface for the main page and organized several meetings to discuss user experience and improvement plans, accelerating workflow and bolstering teamwork.
- Implemented an algorithm for the game AI to strategically execute shooting actions, reducing the average game length from 65 moves to approximately 48 moves (a 25% improvement in hit rate)

## Technical Skills

**Languages:** Java, Python, C/C++, JavaScript, HTML, CSS, MATLAB, R, Haskell, x86-64 Assembly

**Tech Stacks:** Spring Boot, React, Vue, Express.js, Node.js, MongoDB, SQL, Redis, Spark

**Development Tools:** Linux, Git, Docker, AWS (S3, Lambda, API Gateway, DynamoDB), CI/CD, Maven, Postman