Zhiwen Li

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TECHNICAL SKILLS

Programming Languages: **Java**, **JavaScript**, **TypeScript**, **Python**, **C**, **C++**
Backend: **Spring Frameworks**, **MySQL**, **Node.js**, **MongoDB**, **REST API**, **GraphQL API**
Frontend: **React**, **Redux**, **React Native**, **HTML5**, **CSS3**, **Bootstrap**
Tools and Cloud: **Git, Postman**, **Jenkins, AWS Elastic Beanstalk and CodePipeline**

EDUCATION

University of British Columbia, BC, Canada   **Sep 2017 - May 2022**
Bachelor of Applied Science - Computer Engineering

CO-OP WORK EXPERIENCE

Arista Networks, Burnaby, BC   **May 2021 - Aug 2021**
Software Engineer Co-op
- Implemented a geographical mode (**React** with **TypeScript**) for the existing topology view
- Fixed UI bugs and made network graphs more interactive and user friendly
- Used popular JavaScript libraries, such as **Lodash** and **D3.js** for geographical mode implementation

Realtor.com, Richmond, BC   **Jan 2020 - Aug 2020**
Software Engineer Co-op
- Implemented new components in the existing **React** component library
- Developed new endpoints for a mock backend using **NestJS** so the testing in the frontend is easier
- Fixed UI issues and bugs in different repositories and added new automation tests for better coverage

Verathon Medical, Burnaby, BC   **Jun 2019 - Dec 2019**
Test Engineering Co-op
- Designed software verification test forms for Hydra (a monitor for medical use) by using Excel
- Performed practical software verification tests and reported bugs using **JIRA**
- Improved ability to read and write technical documents, such as UI specification and test plans

TECHNICAL PROJECTS

Personal Website: https://zhiwenli.vercel.app/

Event Booking App https://github.com/JohnLi1999/event-booking-app   **Jul 2021**
- Built the frontend app with **React** and **React Router**
- Implemented the backend server with **Express.js** and used **GraphQL API**

Closet App (*Group Project*) https://github.com/CPEN321Closet/Closet   **Sep 2020 - Dec 2020**
- Implemented the backend server of an app that provides users outfit suggestions intelligently
- Developed the app with **Node.js** and **MongoDB**

Online Cupcake Shop https://github.com/JohnLi1999/Cupcake-Shop   **Aug 2020 - Sep 2020**
- Implemented a comprehensive cart system and added advanced functionalities for administrators
- Built the frontend website with **React** and **Redux**
- Developed the server side with **Spring Boot** and connected to **MySQL** database