Jia Fei LuoZheng

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EDUCATION

University Of British Columbia   **Sep. 2018 – Dec. 2023**

Bachelor of Science, Computer Science   Vancouver, BC

WORK EXPERIENCE

Cloud Full Stack Developer Intern   **May. 2022 – Nov. 2022**

HSBC Canada   Vancouver, BC

- Engineered a Process API with Spring and Java to handle data transmission between the API gateway and the backend server.
- Designed API endpoints for fetching and sending personalized promotion data, increasing overall mobile revenue by informing clients of investment opportunities.
- Implemented React-based web and mobile UI features and backend services, including data validation by making API calls, user section timeout, and the creation of various new React components.

IT Engineer Intern   **May. 2021 – Aug. 2021**

CPD Institute   Richmond, BC

- Implemented frontend UI and backend enhancement features for the company's primary website using React, enabled OAuth2 registration and login functionalities with Facebook and Google accounts, leading to a simplified user registration.
- Constructed server-side REST APIs using PHP and Laravel, which supported OAuth 2.0 token validation for user authentication, facilitating record updates, and data validation for the primary website.

Web Developer Intern   **Jan. 2021 – Apr. 2021**

University of British Columbia   Kelowna, BC

- Designed and developed an educational web application using PHP with the Laravel framework.
- Overhauled features include new user-friendly UIs for new web pages, an invitation email system powered by MailTrap to facilitate user registration, course-sharing features, and a PDF course outline generator tailored for professors.

Application Developer Intern   **Sep. 2020 – Dec. 2020**

Reliable Controls   Victoria, BC

- Orchestrated and developed full-stack web pages and a REST API with PHP for product lookup and update.
- Automated the product update process through the API to MySQL, which improved the department's productivity and led to hours of manual work saved weekly.

PROJECT

Data Visualization App

- Developed an interactive data visualization application using D3.js, JavaScript, and Python, which facilitates user engagement by showcasing global life expectancy versus other factors on a two-dimensional graph.
- Trained a polynomial regression model in Python with Pandas using public datasets from Kaggle made into a user-controlled toggle prediction line feature.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript, HTML, CSS, PHP, C, C++, MATLAB
Frameworks: React.js, React Native, Node.js, Express.js, JUnit, Tensorflow, Laravel, Spring Boot
Developer Tools and Databases: Git, Docker, AWS, Postman, MySQL, SQLite