

# Jia Fei LuoZheng

luozhengjiafei@gmail.com | (604) 366-3539 | [jeffreyluozheng.onrender.com/](https://jeffreyluozheng.onrender.com/)  
[linkedin.com/in/jeffrey-luozheng-85883a16b](https://linkedin.com/in/jeffrey-luozheng-85883a16b) | [github.com/luozhengjiafei](https://github.com/luozhengjiafei)

## EDUCATION

---

**The University Of British Columbia**  
Bachelor of Science, Major in Computer Science

**Sep 2018 – Dec 2023**  
Vancouver, BC

## WORK EXPERIENCE

---

**HSBC Canada**  
**Cloud Full Stack Developer Intern**

**May 2022 – Nov 2022**  
Vancouver, BC

- Designed and implemented a Process API using Springboot and Java to optimize data transmission between the API gateway and servers, resulting in increased revenue generation by delivering timely investment opportunities to mobile platforms
- Developed React web and mobile UI components, integrating risk assessment and address validation features through backend API calls in JavaScript and NodeJs, enhanced the useability and security of banking services, improved overall customer satisfaction

**CPD Institute**  
**Software Engineer Intern**

**May 2021 – Aug 2021**  
Richmond, BC

- Streamlined user registration processes by incorporating OAuth2 authentication functionalities in PHP and Laravel, leveraging a MySQL database, which led to a notable increase in overall user registration numbers
- Designed and developed server-side REST APIs in PHP and Laravel, integrating OAuth 2.0 token validation for user authentication, thereby facilitating seamless record updates and date validation between website and server
- Revamped the company's primary website by implementing frontend UI components and backend enhancement features using React, NodeJs and MySQL, resulting in a significant improvement in overall user experience

**The University of British Columbia**  
**Web Developer Intern**

**Jan 2021 – Apr 2021**  
Kelowna, BC

- Designed and developed an educational web application using PHP, Laravel and MySQL to enhance teaching staff's ability to visualize course structure and assessment practices, resulting in an enriched learning experience
- Implemented a course-sharing feature and an invitation email system utilizing MailTrap and MySQL, facilitating seamless collaboration between students and professors, thereby fostering a more dynamic learning environment

**Reliable Controls**  
**Application Developer Intern**

**Sep 2020 – Dec 2020**  
Victoria, BC

- Orchestrated and developed full-stack web pages and REST APIs with PHP for efficient product searching and filtering features, which enhanced user functionality and experience
- Automated product update and deletion processes by integrating a backend REST API with MySQL, leading to a significant increase in the product department's operational efficiency and saved hours of labour weekly

## PROJECT

---

**Data Visualization App** | JavaScript, Python, D3.js

- Developed an interactive data visualization application utilizing D3.js, JavaScript, and Python to present global life expectancy alongside other factors on a two-dimensional graph to visualize predicted trends
- Utilized Python with Pandas to train a polynomial regression machine learning model, leveraging public datasets sourced from Kaggle. Integrated the model into the application, enabling users to explore and analyze trends

## SKILLS

---

**Languages:** Java, Python, JavaScript, TypeScript, HTML, PHP, C, C++, MATLAB

**Frameworks:** ReactJS, React Native, Node.js, Express, JUnit, Tensorflow, Laravel, Springboot

**Developer Tools and Databases:** Git, Docker, Postman, SoapUI, SQL, JIRA, MongoDB, Unix, Tailwind