

# Yanan Liu

## SOFTWARE DEVELOPER

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## PROFILE

Enthusiastic web developer with a passion for crafting innovative solutions and enhancing user experiences through code. My diverse skill set, honed through extensive coop experiences in backend, database, and frontend development, positions me for success in creating dynamic web solutions. Eager to leverage my skills in a fulfilling full-stack development career

## EDUCATION

### BrainStation | Diploma in Web Development

NOV 2023 - JAN 2024, VANCOUVER, BC, CANADA

### University of Hertfordshire | M.S in Computer Science

SEP 2021 - JUL 2023, Hertfordshire, UK

### Columbia University | M.A in Instructional Technology

SEP 2007 - MAY 2009, NEW YORK, NY

### Tianjin Foreign Studies University | B.S in Information Systems

SEP 2003 - MAY 2007, TIANJIN, CHINA

## EXPERIENCE

### Front End Developer Co-op | Clir Renewables

MAY 2022 - JAN 2023, VANCOUVER, BC, CANADA

- Collaborated with a team of developers to build and maintain web applications for the renewable energy industry using React, Redux, and TypeScript.
- Contributed to the development of new features, such as dashboards, turbine performance charts, and graphs, by writing clean, reusable, and maintainable code.
- Conducted thorough testing and debugging by using Jest and Cypress to ensure web applications were free of bugs and errors before deployment.

### Software Engineer Intern | Amazon

JUL 2021 - OCT 2021, VANCOUVER, BC, CANADA

- Designed and implemented a Metric Collection Service for Amazon Tax Service Testing Framework by using AWS Gateway API, Lambda, and Athena.
- Created a data delivery stream by using AWS Kinesis Firehose and Glue to save the raw input metric data to an S3 bucket and improved the performance by using Glue Table Partition Projection.
- Devised and deployed the infrastructure in TypeScript through AWS CDK, set up the CI/CD pipeline, and deployed the application to production.

### Database Developer Co-op | Statistical Canada

JAN 2021 - JUL 2021, OTTAWA, CANADA

- Designed and implemented the Longitudinal Business Database (LBD), a comprehensive database that contains longitudinal data about all the businesses operating in Canada.
- Implemented the data ETL processes (Extraction, Transformation, and Loading) process by using Transact-SQL, SQL-Server, SSIS packages, and Liquibase.

## PROJECTS

### Developer | [Travel Planner and Image Sharing App](#)

JAN 2024

- Developed a responsive UI that allowed users to view and explore their favorite travel destinations with MapBox, React, and Material UI.
- Engineered a comprehensive travel platform with Node.js, Express, MongoDB, and chatgpt, allowing users to upload travel destination pictures, add comments, and personalized travel plans.

## SKILLS

**Languages:** JavaScript, TypeScript(React.js), Java, HTML/CSS, SQL (PostgreSQL, MySQL)

**Tools:** React, Redux, AWS, Node.js, Material UI, Git, MySQL Server, MongoDB, Jira, Confluence, Vs code, IntelliJ