

# Bolin Wang

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## SUMMARY

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- Software Engineer experience at Citibank and Incognito Software Systems Inc.
- Strong skills with Java, JavaScript, TypeScript, C, SQL/NoSQL Database and C#
- Proficiency in Fullstack packages: D3.js, React/Redux, Node.js, Spring Boot, JUnit and REST/Ajax
- Development experience with AWS Lambda & DynamoDB, OpenShift, Heroku, Jenkins, Bitbucket

## EDUCATION

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**University of British Columbia**  
*Bachelor of Science in Computer Science*

Vancouver, BC  
Sep. 2019 – May 2022

## WORKING EXPERIENCE

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**Software Development Summer Analyst**  
*Citibank*

May. 2021 – Aug. 2021  
Mississauga, ON

- Set up and monitored Spring Boot applications with Zipkins, Prometheus and Grafana
- Customized metrics using Micrometer and exposed the metrics to the endpoints
- Deployed with the CI/CD tools LightSpeed, along with OpenShift, uDeploy, Jenkins, Bitbucket
- Completed a full-stack project using AWS Lambda, DynamoDB and API Gateway in Neueda training program

**QA/UI Software Engineer, Co-op**  
*Incognito Software Systems Inc.*

Sep. 2020 – Apr. 2021  
Vancouver, BC

- Fulfilled the duty of QA, master basic testing skills (e.g. use Selenium to test front end) and the usage of internal platform
- Performed the tasks for UI developer and industrial skills including fixing bug, participating in designing features, and implementing new features based on specifications
- Worked in agile development life cycle, familiar with the scrum methodology

**Web Developer, Part-time**  
*SYNERGY company website*

Sep. 2019 – Dec. 2019  
Vancouver, BC

- Created 10 static webpages and 6 dynamic webpages with Webflow for an overseas education and immigration consulting company, connected to a Google Domain name
- Strategized the workaround to Webflow's native limitations with customized JavaScript JQuery code that disabled paginating reloads the whole website and realized the 'lightbox' effect
- Improved user experience and smoothened webpage workflow such as fixing the position of header background images and rounding edges
- Attracted over 740 visits only one month after the formal launch of the website

## PROJECTS

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**Crime in Vancouver** | [github.com/LinlinlinlinW/CPSC436V/tree/main/final\\_project](https://github.com/LinlinlinlinW/CPSC436V/tree/main/final_project)

April 2022

- Created one-page interactive website to demonstrate and analyze the details, distribution and trends of 9 types of crime in Vancouver over 2017 to 2021
- Implemented the application with D3.js, preprocessed the data with Python Pandas
- Enabled users to select neighbourhoods, year range, crime type, and daytime and nighttime by interacting with the map and widgets
- Displayed the details of user's selection from responsive legend

**SAYHI** | [github.com/LinlinlinlinW/SAYHI/tree/assignment5](https://github.com/LinlinlinlinW/SAYHI/tree/assignment5)

May 2020

- Created a full-stack Message List website which receives and displays user name, message content, created time and number of 'Like'
- Implemented frontend with HTML, CSS, JavaScript, using React and Redux library and Axios API
- Implemented backend with Express.js and MongoDB, connected by Mongoose
- Enabled users to query messages from a specific user or within a time range, with most LIKES etc.
- Views details of a message in a pop-up window and blurs message for information privacy in UI design

- Developed a car rental system by designing the UI for customer inquiry and reservation, and connected to UBC computer science Linux server via self-defined models and JDBC API
- Integrated Oracle SQL into Java and enabled the Java-based query
- Led a team of three and managed the project timeline by developing a framework using the delegation design pattern, delegating and ensuring the quality of deliverables of each member on GitHub
- Utilized Swing and IntelliJ built-in UI elements for UI design, and refactored the code in the final stage