

Brianna Xiao

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EDUCATION

Western University

London, ON

Honors Specialization in Computer Science — GPA: 3.9/4.0

Expected Apr. 2028

- **Awards:** SheHacks Finalist and Best Beginner Hacks, Hackwestern best Canada Life Hack
- **Relevant Coursework:** Information Systems and Design, Object-Oriented Software Development, Data Structure and Algorithms, Algorithm Design and Data Abstraction
- **Activities:** Computer Science Undergrad Society (VP of Events), Founders Network (Director of Projects)

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, TypeScript, HTML/CSS

Frameworks: React, Node.js, Flask, Spring, Spring MVC, Spring Boot, Spring Cloud, REST API, Junit, Mockito, Swagger/OpenAPI, Microservice Architecture

Developer Tools: IntelliJ, VS Code, PyCharm, Git, Maven, Gradle, Tomcat, Nginx, Kafka, Postman, Linux

Database and Platform: MongoDB, MySQL, PostgreSQL, Redis, Google Firebase, AWS, Kubernetes

EXPERIENCE

TLN Media Group

May 2025 – Present

Web Developer

Toronto, ON

- Developed responsive web pages with **React, Redux, JavaScript, HTML/CSS, jQuery, Bootstrap**
- Implemented background services for dynamic media playback and content management with **Spring Framework, MongoDB, Redis, and REST APIs**
- Built **CI/CD** pipeline with **Github, Maven, Jenkins, Tomcat, Nginx** and deployed the project to **AWS**
- Optimized streaming performance with lazy loading, content caching, and modular design, improving load times

Vita Learning

Sep. 2025 – Present

Software Developer

Toronto, ON

- Provided **microservice architecture** analysis and design
- Developed under **Scrum**, adhering to **SDLC** and leveraging **Confluence** for documentation / task management
- Designed and built asynchronous microservices using **Spring MVC, Spring Boot, Spring Cloud, and Kafka**
- Engineered backend services for live lecture recording feature, implementing real-time data streaming, storage with **MongoDB and PostgreSQL** for secure playback and retrieval

Toronto Global Spotlight

Sept 2022 – June 2024

Marketing Specialist

Toronto, ON

- Organized a large-scale fundraising tournament that **raised \$ 1,725** to support Toronto refugee centers, showcasing leadership and entrepreneurial spirit in non-profit initiatives
- Collaborated with community leaders to promote ongoing initiatives focused on tackling systemic injustices

PROJECTS

Umami | *React Native, Firebase, TensorFlow.js, Node.js, REST APIs*

- Developed a mobile application in **React Native** that detects fridge ingredients and generate recipe in real time
- Integrated **TensorFlow.js** for on-device object recognition and built scalable backend services with **Node.js, jQuery, Ajax, Bootstrap, JSON, REST APIs** for recipe retrieval
- Implemented secure **Firebase Authentication**, cloud storage, and session management

Just Dance Clone | *Python, Mediapipe, Metadata, ReactNative, Node, JavaScript, CSS, HTML*

- Developed an immersive motion-based dance game that tracks player movements and matches them to choreographed routines in real time using **Python and Mediapipe's** pose estimation capabilities
- Integrated **metadata** tagging for precise motion analysis and scoring, ensuring accurate alignment between user movements and predefined dance sequences