Bosi Chen

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Ottawa, ON | Work Authorization: Citizen
[Portfolio Website](#) | [LinkedIn](#) | [GitHub](#)

Summary

A Detail-oriented and passionate Web Developer with strong skills in both frontend and backend development, with hands-on knowledge in building accessible, scalable, and user-focused web applications. Collaborative and detail-oriented, with a passion for writing clean and maintainable code. Quick to learn new technologies and adapt in fast-paced environments.

Work Experience

Web Communications Officer (student), Canadian Institutes of Health Research, Government of Canada, Ottawa, ON, Jan 2024 – Aug 2024

- Communicate with clients from the organization to understand their needs and provide solutions that align with the organization's standards and style guide, while addressing any potential conflicts with best practices.
- Design, develop, publish and maintain complex Internet and Intranet websites according to the client's request using advanced web and scripting technologies, including HTML5, XHTML, CSS3, open-source plugins and widgets.
- Convert Word, Excel or PDF files into fully functional websites with corresponding layouts and contents.
- Edit images to meet client specifications and align with the overall website design.
- Ensure web content adheres to CIHR, GC and international Web standards, including accessibility, usability and interoperability.

Education

[Web Development and Internet Applications Diploma](#), Algonquin College, Ottawa, ON, Jan 2023 – Dec 2024

- Cumulative GPA: 3.99/4.0 – Dean's Honour List (Winter, Summer, Fall 2023)

Skills

Languages and Frameworks: Python, Flask, C#, ASP.NET, PHP, JavaScript, SQL, HTML, CSS, SCSS, React.js, jQuery, AJAX, JSON, Bootstrap, Ruby, Ruby on Rails

Software Development and Tools: Visual Studio, Visual Studio Code, JetBrains PyCharm, JetBrains DataGrip, MySQL Workbench, Wireshark, Docker

Databases: MariaDB, MySQL, PostgreSQL, SQL (with experience writing queries and designing schemas)

Cloud and Platforms: Linux, Windows, Mac OS, Raspberry Pi OS, Git & GitHub, Docker

Technical Skills: Object-Oriented Programming (OOP), Backend & Frontend Development, Responsive Web Design, Mobile-First Development, UI/UX Design, Website Performance Optimization, Web Accessibility (WCAG), WordPress Theme/Plugin Customization, API Design & Integration, Software Testing (unit and integration), Agile Development (Scrum), Version Control (Git), Network Trouble Shooting, Database Design and Administration

Other Tools: WordPress, Drupal, Adobe Dreamweaver, Photoshop, Illustrator, Figma, Miro, JIRA, Microsoft Office Suite, Google Workspace, Technical Writing

Work Languages: Fluent in English and Mandarin Chinese; Intermediate Dutch and Japanese; Basic French

Projects

- **Portfolio Website (**[Live](#)/[GitHub Link](#)**)** - React.js, HTML, SCSS, JavaScript

A personal portfolio website, fully responsive, featuring project showcases and contact functionality.

- **MLTD Calculator (**[Live](#)/[GitHub Link](#)**)** - React.js, HTML, SCSS, JavaScript

React.js-based SPA using SCSS. Implemented dynamic calculation logic and responsive design features.

- **im@s music library (**[GitHub Link](#)**)** - Python, Flask, PostgreSQL

A sample website for searching im@s music and locating streaming sites, using PostgreSQL (hosted on Supabase) for database integration.

- **Academic Record Management App (**[GitHub Link](#)**)** - C#, ASP.NET MVC, MySQL

An academic system built on an MVC structure with full CRUD operations. Enabled course browsing, academic record entry (student/course/grade), and employee list management.

- **Student Registration App (**[GitHub Link](#)**)** - C#, ASP.NET Web Forms, MySQL

An application for students to register for their classes. Implemented CRUD operations and database interaction.

- **Interview Scheduler (**[GitHub Link](#)**)** - React.js, PostgreSQL, Jest, Cypress

A single-page application for booking appointments, supporting appointment creation, modification, and deletion. Integrated automated testing.

- **My Tiny Journal App (Group Project) (**[GitHub Link](#)**)** - React.js, HTML, CSS, JavaScript, Express.js, PostgreSQL

A Planner application with diary and tracker functions, worked on the habit tracker page and also participated in backend and styling.

- **Social Media (Group project) (**[GitHub Link](#)**)** - PHP, HTML, CSS, Bootstrap, MySQL

A social media app with user accounts, photo albums, and comment functionality.

- **Bubble Popping (Group Project) (**[GitHub Link](#)**)** - HTML, CSS, JavaScript, PHP, MariaDB

A browser game where bubbles are generated randomly, and the player needs to receive them with a cup.

- **Jungle (**[GitHub Link](#)**)** – Ruby, Ruby on Rails

A mini e-commerce website prototype. Debugged and implemented features based on user stories. Enabled admin and user functionality typical of standard e-commerce platforms.

- **Food Pickup Ordering App (Group Project) (**[GitHub Link](#)**)** – Node.js, Express.js

A food ordering platform with CRUD functionality for orders.