

Bosi Chen

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[LinkedIn](#) | [Portfolio Website](#) | [GitHub](#)

Skills

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

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

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, API Design & Integration, Software Testing (unit and integration), Agile Development (Scrum), Version Control (Git), UI/UX Design, Network Trouble Shooting, Database Design and Administration

Other Tools: Adobe Dreamweaver, Photoshop, Illustrator, Figma, Microsoft Office Suite, Google Workspace, Technical Writing, AutoCAD

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

Work Experiences

Web Communications Officer, 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](#), Jan 2023 – Dec 2024, Algonquin College, Ottawa, ON

- Cumulative GPA: 3.99/4.0 – Dean's Honor List (Winter, Summer, Fall 2023)
- Core Subjects: Introduction to Computer Programming using Python, Database Design and Administration, Network Operating Systems, Web Programming Languages (C#), Web Applications Development (PHP), Web Security Basics

Projects

- **Student Registration App** ([GitHub Link](#))
Built using C# and ASP.NET Web Forms with MySQL backend. Implemented CRUD operations and database interaction.
- **Social Media (Group project)** ([GitHub Link](#))
Developed PHP & Bootstrap frontend, MySQL backend: integrated user accounts, photo albums, and comment functionality.
- **Bubble Popping (Group Project)** ([GitHub Link](#))
Designed a browser game using HTML, CSS, and JavaScript. Built backend with PHP and MariaDB.
- **MLTD Calculator** ([GitHub Link](#))

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

- **Jungle** ([GitHub Link](#))

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

- **My Tiny Journal App (Group Project)** ([GitHub Link](#))

Planner application built using Express.js for the backend and React/CSS for the frontend. Implemented habit tracker page and participated in backend and styling.

- **Interview Scheduler** ([GitHub Link](#))

A single-page React.js application for booking appointments. Integrated with PostgreSQL and used Storybook, Jest, and Cypress for testing. Supported appointment creation, modification, and deletion.

- **Food Pickup Ordering App (Group Project)** ([GitHub Link](#))

A food ordering platform with CRUD functionality for orders. Built backend with Node.js and Express.js and created EJS pages for frontend features.

Strengths

- Strong foundation in software engineering principles, OOP, and web technologies
- Quick learner with a growth mindset, eager to adapt to new tools and frameworks
- Collaborative and detail-oriented, with a passion for writing clean and maintainable code
- Experienced in Agile team workflows, including sprint planning, standups, and code reviews