

# TCHEUFFA DARREN RAYAN

LinkedIn: <https://www.linkedin.com/in/tcheuffa-darren-112214327/>

GitHub: <https://github.com/TCHEUFFA-DARREN-RAYAN>

Portfolio: [https://tcheuffa-darren-rayan.github.io/Portfolio\\_website/](https://tcheuffa-darren-rayan.github.io/Portfolio_website/)

Email: [tcheuffadarren1@gmail.com](mailto:tcheuffadarren1@gmail.com)

Phone: +1 (506) 899-6924

Location: Canada

## EDUCATION

### New Brunswick Community College

Diploma in Software Development

Moncton, New Brunswick

Expected Graduation, June 2026

- **Concentrations:** Full-Stack Development, Database Design, Mobile Application Programming
- **GPA:** 3.82/4.00, *Dean's List*
- **Related Coursework:** Object-Oriented Programming (Java, C#, C++, PHP), Database Design & SQL, JavaScript Programming, Web Development, Embedded Programming (C, C++, Arduino, RTOS, ESP32), Software Engineering, Quality Assurance Testing.

## EXPERIENCE

### Freelance Web Developer

Full-Stack Developer | [Live Demo](#)

Moncton, New Brunswick

Apr 2025 – Aug 2025

- Developed comprehensive online booking system for local beauty salons to eliminate scheduling conflicts and reduce administrative phone calls by 70%
- Created responsive salon website showcasing services and staff portfolios, resulting in increased online visibility and customer engagement
- Implemented mobile-first design approach ensuring seamless user experience across all devices for improved customer accessibility and decreased load time

### School Website Developer

Web Developer | [Live Demo](#)

Dieppe, New Brunswick

Dec 2024 – Apr 2025

- Designed and developed a fully **responsive website** for a school, ensuring compatibility across desktops, tablets, and mobile devices.
- Solved the problem of **inefficient communication and outdated online presence**, providing students, parents, and staff with easy access to information and resources.
- Implemented modern **HTML, CSS, and JavaScript techniques** to create an interactive and visually appealing interface.

### Software Developer

Open-Source Contributor Remote

Moncton, New Brunswick

Sep 2023 – Present

- Contributed to ad-block extension project by implementing filter optimization algorithms that improved blocking efficiency by 15%
- Fixed critical bugs in content blocking logic and enhanced user interface components for better user experience
- Collaborated with development team using Git workflows, code reviews, and issue tracking systems

## PROJECTS

### Smart Parking System

Full-Stack Developer

Moncton, New Brunswick

Jan 2025 – Present

- Developed ESP32-based intelligent parking solution using **ultrasonic and magnetic sensors** to detect vehicle presence and optimize parking space utilization
- Implemented real-time environmental monitoring system tracking temperature, humidity, and air quality for comprehensive facility management
- Created IoT communication protocols using Wi-Fi and MQTT for remote monitoring and data transmission to cloud dashboard

### System Audio Management Tool

Windows Application Developer

Moncton, New Brunswick

Dec 2024 – Jan 2025

- Built lightweight desktop application solving productivity disruption caused by unexpected system sounds during meetings and focused work
- Developed automated scheduling system allowing users to program specific mute/unmute times, eliminating manual audio management
- Implemented Windows API integration with system tray functionality for instant one-click audio control without workflow interruption.

CERTIFICATIONS

<b>freeCodeCamp</b> <i>Foundational C# Programming with Microsoft 2024</i>   <a href="#">Certificate</a>	<b>Moncton, New Brunswick</b> <i>Dec 2024</i>
<b>Havard Cs50x</b> <i>Introduction to Computer Science</i>   <a href="#">Certificate</a>	<b>Moncton, New Brunswick</b> <i>Oct 2024</i>

SKILLS

• Frontend Technologies:	HTML5 , CSS3 , JavaScript , React.js , Figma
• Backend Technologies:	C# , Java , PHP , Node.js , SQL
• Programming Languages:	C++ , Java , C# , JavaScript , PHP
• Frameworks & Patterns:	MVC Frameworks , Object-Oriented Programming , Design Patterns
• Tools & Platforms:	Git , AWS , Visual Studio / VS Code , MySQL , PostgreSQL , Firebase
• Development Practices	Code Reviews , Version Control , Test-Driven Development , Documentation