

TCHEUFFA DARREN RAYAN

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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- Solved the problem of **inefficient communication and outdated online presence**, providing students, parents, and staff with easy access to information and resources.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

freeCodeCamp

Foundational C# Programming with Microsoft 2024 | [Certificate](#)

Moncton, New Brunswick

Dec 2024

Havard Cs50x

Introduction to Computer Science | [Certificate](#)

Moncton, New Brunswick

Oct 2024

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