

# TCHEUFFA DARREN RAYAN

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([TCHEUFFA DARREN RAYAN](#)) | Portfolio: [TCHEUFFA DARREN RAYAN- Fullstack & Embedded Systems Developer](#) | CANADA

## EDUCATION

### New Brunswick Community College

Moncton, New Brunswick

Diploma in Software Development

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++), Database Design & SQL, JavaScript Programming, Web Development, Software Engineering, Mobile App Development (iOS/Android), Quality Assurance Testing

## EXPERIENCE

### Freelance Web Developer

Moncton, New Brunswick

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

Apr 2025 – Aug 2025

- Developed comprehensive online booking system for local beauty salon 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

Dieppe, New Brunswick

Web Developer | [Live Demo](#)

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- Solved the problem of **inefficient communication and outdated online presence**, providing students, parents, and staff with easy access to information and resources.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

Moncton, New Brunswick

Open-Source Contributor Remote

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

Moncton, New Brunswick

Full-Stack Developer

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 WiFi and MQTT for remote monitoring and data transmission to cloud dashboard

### System Audio Management Tool

Moncton, New Brunswick

Windows Application Developer

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

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- Frontend Technologies:** HTML/CSS, JavaScript, Responsive Design, Single Page Applications
- Backend Technologies:** C#, Java, PHP, Node.js, SQL, Server-Side Development
- Programming Languages:** C++, Java, C#, JavaScript, PHP
- Frameworks & Patterns:** MVC Frameworks, Object-Oriented Programming
- Tools & Platforms:** Git, AWS, Visual Studio, Database Management
- Development Practices:** Quality Assurance Testing, Version Control, Code Reviews