

# Michael Banna

(514) 961-3636 | [michael@banna.dev](mailto:michael@banna.dev) | [banna.dev](http://banna.dev)

## EDUCATION

### Polytechnique Montréal

*Bachelor of Engineering in Software Engineering*

Montréal, QC

Aug. 2021 – May 2025

### The University of British Columbia

*Exchange Semester*

Vancouver, BC

Sep. 2023 – Dec. 2023

## EXPERIENCE

### Web Developer Intern

*Genetec inc.*

Sep. 2024 – Dec. 2024

Montréal, QC

- Contribute to the development and maintenance of web applications using Angular, TypeScript and C# for Genetec's flagship security product.
- Work with virtual machines to deploy and test proprietary software in various environments.
- Track project progress and manage tasks using TFS boards to ensure timely delivery and alignment with team goals, improving the overall UX and driving higher customer retention and onboarding rates for the new platform.

### Development Lead

*Hamol Cosmetics*

Jan. 2024 – Present

Remote

- Lead the migration of the company's website to a headless Shopify storefront, utilizing React and Shopify Hydrogen to modernize the infrastructure and enhance online consumer engagement.
- Develop modern informational pages and integrating advanced e-commerce functionalities to support rebranding initiatives and international market expansion.
- Implement best practices in software development and project management to guide the team through critical development phases.

### Web Developer Intern

*Fastercom Inc.*

June 2023 – Dec. 2023

Montréal, QC

- Developed and enhanced features for an online vehicle fleet management and optimization platform using React and TypeScript, significantly improving functionality and user experience.
- Optimized development processes and enhance code efficiency, resulting in faster loading times and smoother performance.
- Collaborated closely with a cross-functional team of software developers and project managers to provide innovative solutions to optimize the platform's performance and successfully meet project goals.

## PROJECTS

### Concert Video Organizer iOS App | *Swift, SwiftUI, SwiftData, AVFoundation, ShazamKit* |

June 2024

- Developed an iOS app for efficient organization and labeling of concert videos, ensuring a responsive and user-friendly experience across all iOS devices.
- Implemented SwiftData to manage storage, enabling users to filter and sort videos by artist, tour, date, city, and venue.
- Integrated a custom video player with Picture-in-Picture and ShazamKit for automatic song detection, enhancing video labeling.

### Find The Difference Game | *Electron, Flutter, Node.js, Express, MongoDB, Firebase* |

April 2024

- Developed a multi-platform Desktop/Android online multiplayer image comparison game with seamless cross-play.
- Established game match data persistence using MongoDB and user authentication and notifications using Firebase.
- Implemented a breadth-first search algorithm to detect differences within an interactive drawing canvas.

## TECHNICAL SKILLS

**Languages:** JavaScript, TypeScript, Java, SQL, HTML/CSS, Python, Swift, Dart, C/C++

**Frameworks:** Node.js, React, Angular, Svelte, Astro, Flask, Tailwind, SwiftUI, Flutter

**Libraries:** Jest, Mocha, Chai, Karma, Espresso, Storybook, Express, Socket.IO, Jupyter, Gradle

**Design Tools:** Figma, Adobe Creative Cloud, Affinity Suite