Vatsa Shah

Montréal, Canada | [Portfolio](#) | [LinkedIn](#) | [Github](#) | [Email](#)

EDUCATION

Concordia University   **Montréal, Canada**
Bachelor of Computer Science, General Program Co-Op   *September 2019 - December 2023*
- Relevant Coursework: Data Structures & Algorithms, Databases, Operating Systems, Object Oriented Programming, Web Development, AI, ML, Computer Vision and Information Retrieval & Web Search.

WORK EXPERIENCE

UNO Platform   **Montréal, Canada**
Software Developer   *January 2024 - Present*
Software Developer Intern   *September 2023 - December 2023*
- Developed the [Hot Design](#) tool, a **visual designer for cross-platform .NET applications** (iOS, Android, macOS, Windows, WebAssembly, Linux) that transforms the running app into an interactive design surface, accessible from any IDE on any OS.
- Designed and implemented the complete UI, created the API's and backend logic for a **License Manager** system - including license generation, dynamic trial handling, feature gating, and automated validity checks for free and premium tiers.
- Integrated **telemetry** across all Uno Platform tools for user behaviour tracking and analysis.
- Published official documentation and sample applications (like [Chefs](#)) to demonstrate Uno Platform features.
- Collaborated with cross-functional teams to ensure seamless integration of new features and bug fixes.

Microsoft   **Montréal, Canada**
Software Developer Intern   *May 2023 - August 2023*
- Developed end-to-end functionality of a GPT utterance generator to support **conversational AI** scenarios.
- Built a system to automatically adjust filtering options based on user input files, and dynamically filter and sort the results.
- Created a **Python-based automation tool** to convert .xlsx files to .trsx, streamlining user downloads and data workflows.
- Optimized project performance by **reducing the runtime by 35%**.

UNO Platform   **Montréal, Canada**
Software Developer Intern   *Jan 2023 - April 2023*
- Led the team of interns to build TubePlayer - a YouTube app rebuilt on Xamarin and optimized for performance and UX.
- Developed app's video playback feature, including integration with the YouTube Data API to retrieve and display videos.
- Implemented the search functionality with filters and developed the loading, error, and empty search pages.

Nventive   **Montréal, Canada**
Mobile App Developer Intern   *May 2022 - August 2022*
- Contributed to the development of the [MoreRewards](#) cross-platform application using Xamarin.Forms (C# & XAML).
- Built key screens (Home, Offers, Map), incorporating real-time data displays and location-based functionality.
- Implemented custom animations and transitions to flex containers and forms.

Event Desk   **Montréal, Canada**
Full Stack Web Developer Intern   *January 2022 - May 2022*
- Built a localized cross-platform Web application for leasing [event spaces](#) by using MERNG (MongoDB, Express, ReactJS, NodeJS and GraphQL) and React-Native.
- Developed the UI, built and **integrated GraphQL API's** and NodeJS microservices.
- Maintained and **improved the DevOps pipelines** to build and deploy the applications to AWS Cloud.

VOLUNTEER EXPERIENCE

HackConcordia   **Montréal, Canada**
President   *February 2022 - January 2023*
- Led a team of 35 students to organize the **2nd largest hackathon of Canada** - [ConUHacks VII](#), with 800+ Participants from 97 universities/schools, 149 Projects, 50+ Judges and 28 Sponsors.
- **Generated revenue of $100,000+** from Sponsorships and **expanded the Social Media audience by 225%** within a year.
- Oversaw executive leadership, employee training, media relations, and implemented ambitious business strategies to drive growth, productivity and financial stability of the organization.

PROGRAMMING SKILLS

Languages: Java, C, C#, Python, JavaScript, TypeScript, HTML, XAML, PHP, CSS
Frameworks/Databases/Technologies: .NET, React, NodeJS, React-Native, Uno Platform, MongoDB, MySQL, GraphQL
Other Tools: Git, AWS, Docker, Postman, LaTeX, Vercel, Heroku, Netlify

Projects: Check out my projects on GitHub [here](#)