

# Vatsa Shah

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

## EDUCATION

### Concordia University

Bachelor of Computer Science, General Program Co-Op

Montréal, Canada

September 2019 - December 2023

- Relevant Coursework: Data Structures & Algorithm, Databases, Operating Systems, Object Oriented Programming, Web Development, AI, ML, Computer Vision and Information Retrieval & Web Search.

## WORK EXPERIENCE

### UNO Platform

Software Developer

Software Developer Intern

Montréal, Canada

January 2024 - Present

September 2023 - December 2023

- Developed the Single Project feature of Uno Platform, creating a unified project that targets multiple platforms (iOS, Android, macOS, Windows, WebAssembly, Linux), streamlining development and maintenance process for cross-platform applications.
- Designed and implemented the UI & backend for a License Manager system, generating licenses, offering free trials, and transitioning users to a paid subscription model with dynamic validation and feature management for free and premium access.
- Improved the navigation of Uno apps by optimizing the routing logic, resulting in improved performance and user experience.
- Collaborated with cross-functional teams to ensure seamless integration of new features and bug fixes.

### Microsoft

Software Developer Intern

Montréal, Canada

May 2023 - August 2023

- Developed the frontend and backend functionalities of a **GPT utterance generator**.
- Designed and implemented an automated system to automatically adjust filtering options based on user input files, and dynamically filter and sort the results.
- Created a Python script to convert .xlsx files to .trsx files for user downloads, streamlining data handling.
- Optimized project performance by **reducing the runtime by 35%**.

### UNO Platform

Software Developer Intern

Montréal, Canada

Jan 2023 - April 2023

- Led the team of interns to build TubePlayer - a fully functional YouTube app rebuilt on Xamarin and optimized for performance and user experience.
- 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

Mobile App Developer Intern

Montréal, Canada

May 2022 - August 2022

- Contributed to the development of the MoreRewards cross-platform application in .NET (C#) and XAML (Xamarin).
- Designed and created the Home Page, the Offers Page and the Maps.
- Implemented custom animations and transitions to flex containers and forms.

### Event Desk

Full Stack Web Developer Intern

Montréal, Canada

January 2022 - May 2022

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

## VOLUNTEER EXPERIENCE

### HackConcordia

President

Montréal, Canada

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:** Python, Java, C#, C, TypeScript, HTML, CSS, PHP, XAML

**Frameworks/Databases/Technologies:** .NET, React, NodeJS, Docker, React-Native, MongoDB, MySQL, GraphQL, Uno Platform

**Other Tools:** Git, LaTeX, Postman, Vercel/Heroku/Netlify

**Personal Projects:** Check out my projects on Github [here](#)