**Nikola Varicak**

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**EDUCATION**

**George Brown College** Toronto, ON

Computer Programming and Analysis Expected April 2025

Cumulative GPA: 3.4/4.0

Relevant Coursework: Data Analysis, Software Engineering; Operating Systems; Data Structures and Algorithms, Agile Dev, ML Algorithms

**WORK EXPERIENCE**

**InfinityScripts React Front-End Developer | Sep.2024 – Present**

* Developed multiple Front-End UIs for InfinityScripts, utilizing React to create dynamic and responsive web applications. Enhanced accessibility and user experience, contributing to increased platform efficiency. The web page generates thousands of dollars in revenue and attracts thousands of visitors, underscoring its impact and reach. <https://infscripts.netlify.app>

**TECHNICAL PROJECTS 2022 - 2024**

**Learning Path Creator |**

* Designed and created a web application using PHP HTML CSS and JavaScript to help users create and share paths for learning and developing new skills.
* Led project team skillfully and achieved highest possible grade.

**React-Native Restaurant Application |**

* Built a responsive, interactive app for restaurant management that integrates location services and data persistence using Expo for React-Native. <https://snack.expo.dev/@butteryspirit/g21finalimplementation>
* Integrated Autocomplete API and Place Details API for restaurant suggestions and retrieval of detailed information (address and contact details).

**Travel Booking Web Application |**

* Created a .NET Microsoft CORE Entity FRAMEWORK MVC C# web application where users can book flights, hotels, and car rentals across Canada.
* Incorporated User authentication and Registration using IdentityCore, as well as created pages for authorized users.
* Incorporated Unit Testing to ensure adherence to best practices.
* Deployed using Azure.

**Real Time Chat Room |**

* Using the MERN stack created chat room application where users can join or create a chatroom of interest and converse with other users in real time.

**PROJECTS AND ACTIVITIES**

* + Published Android App Using React Native Framework, designed to help guitarists improve their chord recognition by playing an audio file and then quizzing the user on what chord was played.
  + Developed Python Video Games Using various libraries Pygame, Pyglet and Pymunk
  + Loaded .TMX files in python using Pyglet library.

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**TECHNICAL SKILLS**

Advanced in SQL, PHP, JavaScript, HTML/CSS; Proficient in C#, Python, Java, React, React-Native, Node.js, Mongodb, Springboot, REST API, Docker, PostgreSQL, Jenkins