

VITTORIO MAZZUCA

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EDUCATION

University of Alberta
Bachelor of Science Computer Science

Edmonton, Alberta
Sep 2017 - Jun 2022

SKILLS

| | |
|------------------------|---|
| Programming Languages: | Python, C#, JavaScript, Java |
| Frontend: | HTML, CSS, Tailwind, SASS, React, Redux, Material UI |
| Backend: | .NET Core, ASP.NET, NodeJS, Express, SQL, MySQL, MongoDB |
| Technologies: | Github, Git, UML, Firebase, Postman, Android Studio, Windows, Linux, JWT, Socket.io |

WORK EXPERIENCE

Web Developer

Mazzuca Contracting Ltd. / Freelance

Sherwood Park, Alberta
Nov 2023 - Present

- Developed and designed the company's website, enhancing its digital presence and functionality.
- Engaged in collaboration with the company to outline project scopes and requirements, ensuring alignment with their objectives.
- Managed and maintained the AWS server hosting of the website, promptly addressing company requests and implementing necessary changes.
- Implemented optimizations to enhance website performance, resulting in significant reductions in load times and improved user experience.
- Deployed SEO strategies to increase organic traffic and improve search engine rankings.

PROJECTS

Tabletop Finder

React, Tailwind, Javascript, NodeJS, Express, MongoDB

<https://github.com/vamazzuca/Tabletop-Finder>

- Tabletop Finder is a full-stack social platform harnessing Board Game Geeks API for effortless creation of tabletop gaming events, complemented by user profiles to foster connections among enthusiasts.
- Implemented robust event search functionality, empowering users to effortlessly discover and join tabletop events in their city, supported by a modern frontend developed using React and Tailwind.
- Engineered a scalable REST API backend with NodeJS and Express, optimized for efficient data retrieval and storage, while integrating a real-time group chat messaging system using socket.io, all backed by a MongoDB database ensuring data accessibility across event, profile, and group chats.

Labyrinthium

React, Tailwind, Javascript, .NET Core, MySQL

<https://github.com/vamazzuca/Labyrinthium>

- Labyrinthium is a full-stack web application utilizing the Google Maps API to help users discover and explore local Canadian escape rooms, complete with user profiles for tracking completed rooms.
- Developed a responsive frontend using React and Tailwind, featuring a robust search engine that allows users to find escape rooms based on location and other search criteria, marking them on an interactive map for easy discovery.
- Implemented a scalable .NET backend with MySQL for secure data management, and integrated user authentication and tracking, enabling users to log in and track their completed escape rooms on their personalized profiles.

BookBox

Java, Android Studio, Firebase

<https://github.com/vamazzuca/BookBox>

- Bookbox is an Android application developed in Android Studio using Java, focused on simplifying book borrowing and lending processes. Implemented a request system for efficient management of incoming requests, enhancing user interaction.
- Integrated Google Firebase cloud infrastructure for scalable storage of essential information, ensuring reliability in managing books, user profiles, and images.
- Established a friendly user experience with features such as an ISBN scanner for easy book collection management and enabled users to search for books within the application and specify geographical locations on a map for seamless book handovers.