

VITTORIO MAZZUCA

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EDUCATION

University of Alberta

Bachelor of Science Computer Science

Edmonton, Alberta

Sep 2017 - Jun 2022

WORK EXPERIENCE

Web Developer

Mazzuca Contracting Ltd. | Freelance

Sherwood Park, Alberta

May 2023 - Present

- Spearheaded the development and design of the company's website, enhancing its digital presence and functionality.
- Engaged in collaboration with clients to outline project scopes and requirements, ensuring alignment with their objectives.
- Managed and maintained the AWS server hosting of the website, promptly addressing client requests and implementing necessary changes.
- Implemented optimizations to enhance website performance, resulting in significant reductions in load times and improved user experience.

PROJECTS

Tabletop Finder

React, Tailwind, Javascript, NodeJS, Express, MongoDB

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

- Tabletop Finder is a user-friendly 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 MongoDB database ensuring data integrity and accessibility across event, profile, and group chat information.

Boardify

React, SASS, Javascript, .NET Core, MySQL

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

- Boardify is a full-stack e-Commerce platform specializing in mechanical keyboards. Implemented a functional cart system allowing seamless offline-to-online shopping experience and user authentication for personalized accounts.
- Leveraged React, SASS, and Material UI to create an intuitive frontend interface, enhancing user experience. Designed RESTful APIs using C# and .NET on NET Core for efficient communication between frontend and backend systems.
- Additionally, empowered administrators with a robust admin panel for efficient product management, ensuring the store's content remained up-to-date and relevant.

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 and engagement.
- 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.

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, JWT, Linux, Socket.io, AWS