

Nicolas Urrego Guasca

Computer Science Graduate

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Projects

Ordering and Reservation Mobile App – ‘Ordine’

- Transformed a high-fidelity prototype mobile app, ‘Ordine’, into a fully functional cross-platform application using React Native, Expo Router, and Supabase for authentication and storage.
- Conducted extensive testing on personal devices (Expo Go) and Android emulators to ensure optimal performance.

Ordering and Reservation Mobile App UI/UX – ‘Ordine’

- Collaborated in a team of 4 to design and create the user interface of the ‘Ordine’ mobile app from scratch, enabling users to make restaurant reservations and pre-order meals seamlessly.
- Utilized Figma for efficient design collaboration and prototyping.

X/Twitter Imitation

- Engineered a full-stack web application with responsive mobile design and real-time notifications, replicating features from X/Twitter.
- Employed Next.js App Router, Tailwind CSS, NextAuth.js, Prisma, and MongoDB to achieve a dynamic and engaging user experience.

Stadium Management Database

- Collaborated in a team of 3 to develop a RESTful API for a stadium management system, structuring entity relationship (ER) and relation model (RM) diagrams.
- Implemented Node.js with Express.js, hosted Microsoft SQL Server on AWS, and utilized Postman for API testing.

Questionnaire Website

- Worked in a team of 2 to develop a website allowing administrators to set up and analyze questionnaires on specific topics.
- Implemented a 5-point Likert Scale for questions, integrated Google Pie Charts for result analysis, and utilized ASP.NET MVC and Microsoft SQL Server Management Studio.

Pet Information Website

- Created a pet wiki/information full-stack web application using Next.js, Tailwind CSS, and MongoDB for dynamic and responsive content.

Journal System Website

- Collaborated in a team of 3 to develop a PHP-based website using XAMPP, allowing journalists to submit journals, which are then reviewed and published by editors.
- Implemented distinct user experiences for journalists, reviewers, and editors to streamline the journal submission and review process.

Skills

Programming Languages

Python, JavaScript, TypeScript, SQL, Java, PHP, C++, HTML, CSS

Frameworks and Libraries

Next.js, React, React Native, Expo Router, Node.js, Express.js, ASP.NET, Auth.js, Tailwind CSS

Design

Figma, Draw.io

Education

University of Calgary

Sept. 2016 – April 2022

Bachelor of Science in Computer Science

Interests

Badminton, traveling, cooking, biking