

Ruben Christopher Arevalo

Aspiring Software Developer | Recent Computer Engineering Graduate

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EDUCATION

University of Texas Rio Grande Valley | Edinburg, Texas | August 2019 - May 2023

Bachelor of Science in Computer Engineering

Relevant Coursework: Senior Design 1 & 2, Database Design & Implementation, Algorithms & Data Structures, Software Engineering 1 & 2

South Texas College | McAllen, Texas | August 2015 - May 2019

Associate of Science in Computer Science

EXPERIENCE

Headstarter, Software Engineer Fellow | McAllen, Texas | July 2024 - Present

- Constructing 5 AI-based projects in the span of 5 weeks.
- Creating a unique product that is projected to bring in 1000+ users or \$1000 in revenue.
- Collaborating with 3 team members to build and deliver high-quality software projects.

Self-Employed, Independent Software Developer | McAllen, Texas | May 2023 - Present

- Building 2 web applications, including a dating web app and a restaurant website for a potential client, utilizing front-end and back-end concepts, adhering to software development practices to ensure a high-quality product.
- Investing 25 hours/week on average refining knowledge in software development, using best practices, and learning new technologies such as TypeScript and C#.
- Debugging and optimizing current projects using strategies such as code refactoring and run time analysis.

SKILLS

Programming Languages: Python (Competent), C++ (Competent), JavaScript (Familiar), TypeScript (Familiar)

Frameworks: React.js (Familiar), Flask (Familiar), FastAPI (Familiar), Next.js (Novice)

Tools and Technologies: HTML (Familiar), CSS (Familiar), MySQL (Familiar), PostgreSQL (Familiar), OpenAI API (Novice), Git, Jira, Visual Studio Code

Hard Skills: Agile development, Software Development Lifecycle (SDLC), unit testing, integration testing, continuous integration and deployment (CI/CD) via relevant coursework

Soft Skills: English and Spanish, Collaborative, Productive, Prioritization, Willingness to Learn

PROJECTS

Dating Web App, Project Developer & Designer | June 2023 - Present

- Developing a dating web app with React.js, CSS, and TypeScript, along with FastAPI, Express.js and PostgreSQL for backend processes.
- Creating a design that emphasizes self-esteem and lays the foundation for a successful relationship.
- Designing a matching algorithm that matches people based on attributes, such as location and bio, with planned future refinements to improve the user experience with the selection of 10 random matches.

FoodPantryInventory, Project Developer | July 2024 - August 2024

- Designed a pantry tracker application with Next.js, Firebase, and TypeScript that allows users to keep track of items stored in a pantry, with 3 users signed up.
- Created a feature that allows user to track the quantity of a specific item in a pantry—for instance, including 5+ pieces of salmon.
- Generated 5 suggested recipes using the OpenAI API based on the items currently stored in a user's pantry.

HONORS & ACTIVITIES

Dean's List | Recipient | May 2023

Frontera Devs | Member | October 2019 - May 2023

Association for Computing Machinery | Member | September 2019 - December 2022

Greater Texas Foundation Scholarship | Recipient | July 2019 - May 2022

High School Programming Contest (HSPC) | Volunteer | February 2020