

# Ruben Christopher Arevalo

Aspiring Software Developer | Recent Computer Engineering Graduate

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## EDUCATION

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**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

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**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

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**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

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**FoodPantryInventory, 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.

**Dating Web App, Lead 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.

## HONORS & ACTIVITIES

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**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