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*
- Building 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 1 team member 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 (Novice)
Frameworks: React.js (Familiar), Flask (Familiar), FastAPI (Familiar)
Tools and Technologies: HTML (Familiar), CSS (Familiar), MySQL (Familiar), PostgreSQL (Familiar), 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

PERSONAL PROJECTS

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.

Personal Website, *Lead Web Developer* | *July 2021 - September 2021*
- Created a website using React.js as the main framework while also using CSS and React Bootstrap to stylize the user interface (UI).
- Integrated a RESTful API with FastAPI to handle and display announcements on website, with 3 of the most recent ones displayed in the 'About Me' page.
- Designed a portfolio page that displays 8 samples from 2 personal projects in addition to 11 samples of photos taken as part of personal hobbies.

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*