Zabdi "Sam" Gomez Olvera

Full-Stack Software Engineer
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Education

University of North Carolina at Chapel Hill- Computer Science with Math Minor
May 2021

Summary

- Hard working student as expressed from obtaining national full ride scholarship
- Self-motivated, easily adaptable to new environments and the ability to work independently as well as in small groups.
- Motivated to produce performant and robust software; highly passionate about programming.
- Can quickly analyze, incorporate and apply new information and concepts.
- Implemented various Validation Controls for form validation and implemented custom validation controls using Object Oriented JavaScript
- React and Functional Driven typescript expert in SPAs, UI Components, Mobile web and Performance optimization
- Hands-on expertise in developing the Single Page Applications (SPAs) using React.js and Model View Controller (MVC) frameworks such as NodeJS/Express.
- Familiar with JSON based REST Web services and Amazon Web services
- Experience of building web sites using best practice techniques such as mobile first, responsive design, progressive enhancement.

Professional Experience

Undergraduate Teaching Assistance - UNC Computer Science Department   8/19 - Present

- Helped debug students code within the course

Programming Instructor - iD Tech Camps   5/19 - 8/19

- Empathetically teach students to code.
- Help debug students code.
- Helped teach students the foundations of programming and OOP with Javascript, and Java

Software Developer Intern - Red Ventures   5/18 -7/18

- Develop a .NET API for Liberty Mutual by translating legacy code PHP to C#
- Used Git for version control in a team environment.
- Build MySQL queries for performing various CRUD operations.

Projects

Text Compression App- Technologies Used: Java

- Developed a compression tool for text files using huffman trees
- Used and optimized various algorithms to develop huffman trees

Portfolio Website- Technologies Used: Javascript, HTML, CSS/Node-Sass

- Developed a smooth transitions using JS and CSS
- Developed a responsive web application design using Media Queries.

Languages/Frameworks/Libraries

- C#
- Java
- TypeScript
- JavaScript
- ASP .NET
- React.JS

Technologies

- HTML
- CSS
- Git
- SQL
- MySQL

Knowledge

- Design Patterns
- Object-Oriented Programming
- Unit Testing