Nefi Aguilar

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Education

Brigham Young University - Idaho   Expected December 2022
Bachelor of Science in Computer Science   Rexburg, Idaho
- Relevant courses: Object Oriented Programing, Algorithms and Data Structures, Back End Development, Front End Development
- GPA: 4.0

Ensign College   January 2016 - December 2017
Associates Degree in Project Management   Salt Lake City, Utah
- Relevant courses: Agile Project Management, Advance Project Management

Relevant Experience

Frozen Dessert Supplies   July 2021 - Present
Full-Stack Engineer   Rexburg, Idaho
- Automate processes to coordinate orders from 5 online stores and multiple warehouses across USA
- Create applications with React, Node.js and Typescript to improve business operations and customer retention

Brigham Young University Idaho   December 2020 - Present
Full-Stack Engineer   Rexburg, Idaho
- Enhanced algorithmic efficiency of mapping web application used by 2000 students and GIS employees
- Proposed, designed, and developed web applications, reducing overall data update process delay by 70%
- Modularized and refactor Node.js applications, increasing maintainability and reusability of code
- Implemented OAuth processes for new and future applications to enable calls to ArcGIS REST API

Pathway Worldwide   January 2020 - July 2020
Software Quality Assurance Engineer Intern   Riverton, Utah
- Ensured functionality of web applications used by 51,000 international and domestic students
- Automated manual UI tests using Selenium and C#, reducing regression testing time by 80%
- Managed and tested pull request using Microsoft Azure DevOps, ensuring continuous integration and deployment

Personal Projects

Mapping Web Application
Repository: http://github.com/solemnefi153/TourMeApp
- Develop non-profit web application in JavaScript to help tourists find venues in any region worldwide
- Leveraged Foursquare API, jQuery and Leaflet JavaScript libraries to obtain and render data on a map
- Devised proxy endpoints in a NodeJS server to safely utilize secret keys without being revealed to users
- Handled JSON data objects to obtain location coordinates, venue details, and image source links

Online Store Simulator
Repository: http://github.com/solemnefi153/shopping-frontend
- Built application in PHP with dynamic shopping cart to explore asynchronous programming and server sessions
- Employed JavaScript event listeners to trigger asynchronous calls to update UI and server session

Car Dealership Website
Repository: http://github.com/solemnefi153/eaglemotors
- Created full-stack web application in PHP to familiarize with MVC structure and user authentication
- Implemented MVC logic without PHP framework, by leveraging switch statements, project structure and redirects
- Set up PostgreSQL database and safety stored user's credentials by encrypting passwords through a hash function

Proficient Competencies

Area	Programming Languages	Back-End Technologies	Font-End technologies
Proficient	JavaScript, C++, PHP	NodeJS, SQL, REST APIs	HTML5, CSS, jQuery
Knowledgeable	Python, Java, C#	Non-SQL, Firebase	React.js