ELEANNY BARRERA-DIAZ

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EDUCATION

University of Wisconsin - Madison   Madison, WI
Certificate in Software Development - Full Stack Bootcamp   Jan 2022 - Oct 2022

University of Wisconsin - Oshkosh   Oshkosh, WI
Bachelors of Science - Physics   Sep 2015 - May 2020

SKILLS

Programming Languages:	Javascript, Python
Libraries/Frameworks:	React.js, Express.js, Node.js, Bootstrap, Mongoose
Tools / Platforms:	HTML, CSS, SCSS
Databases:	MongoDB, SQL, PostgreSQL

EXPERIENCE

Freelance | Software Developer   Charleston, SC | Jan 2023 - Present

- Work with clients to gather website specifications and requirements
- Design and develop software solutions using a variety of programming languages and frameworks such as HTML, CSS, Javascript, and React.js
- Utilize version control systems such as Git to manage codebase
- Research and select appropriate web hosting based on client needs and budget
- Ensure website optimization and functionality on various devices and platforms
- Troubleshoot and debug applications as needed while providing ongoing maintenance and support to clients

Jen-Ter Technologies | Project Engineer   Fox Lake, WI | June 2020 - Aug 2022

- Mentored and trained 5-7 individuals every month in both the production and engineering areas, including managing performance to meet budgets and milestones
- Warranted compliance with contract and project requirements by coordinating and expediting the flow of technical documents and activities
- Designed current products and conceptualized new products based on CAD models and drawings provided by customers
- Maintained the highest standards of quality throughout the project's life cycle is of paramount importance which includes providing engineering recommendations and guidance to both project management members and craftspeople
- Consistently meeting product design requirements within scheduled completion deadlines in a team environment and independently

Jen-Ter Technologies | Electrical Engineering Specialist - Intern   Oct 2019 - June 2020

- Produced embedded systems Y2K compliance through the upgrade of hardware and software
- Created a new product (printed heaters) and tested it to ensure its sustainability and quality, including advancing silicone heaters that will help construct the first product the organization manufactured
- Acquired proficiency in troubleshooting problems with each type of device and in using a soldering iron for board-level repairs
- Prepared CAD drawings for the installation or removal of electrical equipment in facilities resulting in analyzing the equipment performance statistically, and improving production processes
- Assessed materials through various experiments and analyzed results to determine the most cost-effective components

PROJECTS/ OPEN-SOURCE

Where Do You Want To Eat   *HTML, CSS, Javascript, React.js, Express.js, Node.js, MongoDB, Google API*

Collaborated with a team to develop an application that allows users to search for restaurants in their area and randomizes the results to choose one when prompted. This application displays real-time data using the google API but only after the user grants permission.

CDEV Quizzes   *HTML, CSS, Javascript, React.js, Express.js, Node.js, Mongoose, MongoDB*

This application aimed to develop a Quizzing platform using the React Framework and Mongo Database. Our application allows users to create new quizzes upon request, list all quizzes on the platform, allow the user to insert new questions to any chosen quiz, and allow the user to update and delete quizzes - In Collaboration with three other developers.