

# ELEANNY BARRERA-DIAZ

elliediaz1204@gmail.com | Phone Number | Charleston, SC

GitHub | LinkedIn

## EDUCATION

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### University of Wisconsin – Madison

Certificate - Software Development Bootcamp - Full Stack

Madison

Jan 2022 - Present

### University of Wisconsin – Oshkosh

Bachelors of Science - Physics

Oshkosh, WI

Sep 2015 - May 2020

## EXPERIENCE

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### 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
- 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
- Identified, analyzed, and resolved issues with the software, outputs, online screens, and content

### 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

## SKILLS

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

## PROJECTS / OPEN-SOURCE

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### JediBook | [Link](#)

HTML, CSS, Javascript, React.js, Express, node.js, Mongoose, MongoDB, SWAPI

An app that allows users to search through the Planets, Characters, and Starships associated with the Star Wars saga. Users can also create their own Avatars and maintain their characters through their personal accounts. Built using the Star Wars API.

### CDEV Quizzes | [Link](#)

HTML, CSS, Javascript, React.js, Express, node.js, Mongoose, MongoDB

This application was aimed to develop a Quizzing platform that allowed users to create and modify their own unique quizzes - Group Project

## CERTIFICATIONS

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- CPR Certified - American Red Cross.