

David Valle

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Linden, NJ

Dedicated and adaptable front-end engineer with a solid background in electrical engineering and a passion for crafting seamless user experiences. Skilled in utilizing electronic design principles and cross-functional collaboration to deliver high-quality projects. Proficient in modern web technologies, including React.js, DOM manipulation, and RESTful APIs. Demonstrated ability to follow front-end engineering best practices, ensuring responsiveness and mobile-first development. Strong problem-solving skills and a commitment to excellence in documentation and project execution.

Work Experience

Total Technology

2021-2023

Electrical Engineer

Pensilvania, New Jersey

- Applied electronic design datasheets effectively to inform design decisions and ensure compliance with specifications.
- Collaborated closely with cross-functional teams including system, software, mechanical, and manufacturing, ensuring alignment and synergy across departments for successful project execution.
- Utilized MSP interrupts and the C language in the MSP IDE to test jitter, contributing to the optimization of performance

Union County College and Stevens Institute of Technology

Sept 2017- May 2022

Tutor

Hoboken NJ

- Presented difficult topics to students and explained in a manner they could understand.
- Established relationship with students and colleagues.

Projects

Meme Generator

- Utilized the meme generator RESTful API and Reactjs to pass through data using the fetch api and display memes based on input from the user
- Followed frond end engineering best practices such as responsiveness/mobile first development
- Created a standard CSS layout design with header, body, and footer.

Cookie Counter

<https://cookiecounter.netlify.app/>

- Used DOM manipulation to count and save the number of cookies per family
- Created a responsive web design using flex box and media queries to achieve mobile first development.

Bored Bot website

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<https://boredrobot.netlify.app/>

- Created a website that sends HTTP request to the bored bot API and retrieves and displays new data.
- Designed a beatiful layout and background, as well as a button design used in most popular websites such as youtube and twitter.
- Implemented SASS in the design to enable development life cycle best practices.

Figma Custom Design

<https://cssfigma.netlify.app/>

- Designed a custom static web page from a figma diesign
- Contained a header, hero section, and footer, designed with Figma requirements and specifications

Item on sale limitter feature

- Created a tool using reactjs that counted the number of items a customer should be able to add to their cart, with limited number of items to go on their cart due to sale
- Used the useState hook to change the state of the count on render and passed down props to their respective children
- Used clean layout and responsive design as well as keeping everything organized based on components for future reusability

Education

Stevens Institute of Technology

August 2019 - May 2022

Bachelors of Engineering in Electrical Engineering

- Developed a problem solving mind, a responsible work ethic, and collaboration between professors and students.

Skills

Productivity

Micorsoft Excel, Word, Powerpoint, Critical Thinking, Problem Solver, Excellent documentation skills

Tech Skills

Mac OS, Widows, Web programming, Linux, Terminal, Python IoT, Hardware design with Altium,