

David Valle

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 github |  linkedin

EDUCATION

Bachelor of Engineering - Electrical

Stevens Institute of Technology

Graduated with High Honors

Aug 2019 - May 2022

Hoboken, New Jersey

3.62 GPA

SKILLS

Programming Languages JavaScript | Python | C++ | C | HTML/CSS | Labview | MATLAB | Simulink

Technologies Reactjs | Nextjs | Tailwind CSS | React.js | Git | Express JS | PostgreSQL

EXPERIENCE

Total Technology

May 2022 - June 2023

Electrical Engineer

Wharton, NJ

- Maximized MSP interrupts and utilized the C language in the MSP IDE to test jitter, resulting in a 20 percent improvement in system performance.
- Engineered a custom PCB solution that tripled programming efficiency, enabling seamless programming for a complex FPGA-based multi-layer, multi-board PCB system utilized daily.
- Collaborated closely with cross-functional teams including system, software, mechanical, and manufacturing, resulting in on-time and on-budget project execution.

Stevens Institute of Technology

Sep 2017 - May 2022

Tutor

Hoboken, NJ

- Coordinated one-on-one and group tutoring sessions with students, boosting grades by an average of one letter grade.
- Tracked students' progress and communicated regularly with them and other students separately, ensuring 100 percent satisfaction among students with different subjects.
- Aided classes such as Microprocessor Systems with C++, Physics 1/2, Calculus 1-3, Differential Equations..

NOTABLE PROJECTS

Word Analytics | wordanalyticsdv.netlify.app/

2024

Frontend Developer

Hoboken, NJ

- Developed a component-based word analytics website using advanced React fundamentals such as conditional rendering and derived states, resulting in 10 percent increase in user engagement.
- Implemented features including word count, number of characters, maximum characters left for Facebook, and maximum characters left for Instagram, leading to positive user feedback.
- Designed a responsive layout for desktop, tablets, and mobile devices, and deployed it on the internet.

Cart Counter Feature | <https://cartfreecounter.netlify.app/>

2024

Frontend Developer

Hoboken, NJ

- Programmed a Cart feature that adds items to cart with a limiter for free users. Asks user to upgrade to pro if max items are added. Reset button that renders to zero
- Created a fully responsive design and using media queries for mobile first development
- Expanded frontend skills by using the useState hook to change the state of the count on render and passed down props to their respective children. Used a clean layout and responsive design as well as keeping everything organized based on components for future readability

Figma Custom Design | <https://cssfigma.netlify.app/>

2024

Frontend Developer

Hoboken, NJ

- Outlined a custom static web page from a Figma design, using semantic tags, including a header, hero section, and footer, following Figma requirements and specifications.
- Matured a key eye for user wants and needs, and designed a website from concept to design and uploaded the final design on the internet for the customer to show off his business.

AWARDS

- **David Valle**, "Dean's List, Ecuadorian Scholarship fund" 2019-2022, Hoboken, NJ.

WEBSITES

<https://davidvalle.netlify.app> • **David Valle**, "Personal Portfolio"