

# Jose A. Zuñiga Vargas

## Mechatronic Engineer / Web Developer

Portfolio Website: [joro0.github.io/Portfolio/](https://joro0.github.io/Portfolio/)



Mechatronics Engineer graduate with a bachelor's degree from Universidad Peruana de Ciencias Aplicadas (UPC) with a passion for software development and a focus on frontend and backend technologies. Skilled in problem-solving, analytical thinking, and continuous learning, with experience adapting engineering principles to programming challenges. Proficient in English and committed to building scalable, user-friendly applications. Seeking to bring creativity, technical expertise, and a proactive approach to a dynamic web development team.

## Skills

- JavaScript, Html, Css
- TypeScript
- React
- Angular
- Next.js
- Bootstrap
- Tailwind
- Webflow
- Figma
- Three.js
- ThreeFiber
- 3D modeling
- JQuery
- SASS
- Redux
- Git
- GitHub
- Node.js
- MySQL
- C, C++, C#
- Python

## Experience

### Independent Web Development Project

Freelance for accountant of Falabella

January 2024 – February 2024

- Created a web application with JavaScript, HTML, and CSS to automate accounting data processing.
- Developed functionality to compare monthly item data against a master SKU list, extracting and matching SKU codes from inconsistent item descriptions.
- Streamlined reconciliation, reducing a 10-hour manual task to 5 minutes with an efficient interface.
- GitHub: <https://github.com/Joro0/SKU-Verifier>

### ICT Intern (Information and Communications Technology Department)

Transportes Zuñiga SRL

January 2022 – July 2022 / January 2024 – March 2024

- Design, installation, and maintenance of control panels for aggregate plants.
- Maintenance of electrical equipment such as control panels, three-phase motors, generators, and more.
- Detailed recording of generators, including main features, controller, and custom design of the electrical control diagram.
- Developed a plan for data flow and collection to inform the future development of software for preventive and corrective maintenance.
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## Education

### Bachelor's Degree in Mechatronic Engineering

Universidad Peruana de Ciencias Aplicadas, Lima

2016 – 2024

- Top Third
- Notable courses: C, C++, Python, PLC, Industrial Robotics, Artificial Intelligence, Inventor, AutoCAD, CAD/CAM Systems, PID Control, P&ID Design
- Capstone project: Portable 3D Concrete Printing for Laboratories to Analyze Printable Mixtures

## **Responsive Web Design Certification**

freeCodeCamp, United States

*August 2023*

- Certification: <https://www.freecodecamp.org/certification/Joroo/responsive-web-design>
- Notable topics: HTML, CSS, Flexbox, Grid, Transform, Overflow, Pseudo-selectors

## **The Complete 2024 Web Development Bootcamp**

Udemy, United States

*August 2024*

- Certification: <https://ude.my/UC-132fa361-f6fe-46c0-b336-76fba91e7d8f>
- Notable topics: Advanced HTML, CSS, JavaScript, Node.js, APIs, SQL, React.js

## **Front End Development Libraries**

freeCodeCamp, United States

*December 2024*

- Certification: <https://www.freecodecamp.org/certification/Joroo/front-end-development-libraries>
- Notable topics: Bootstrap, jQuery, SASS, React, Redux, React and Redux