

Jose A. Zuñiga Vargas

Mechatronic Engineer / Junior FullStack Webdeveloper

Portfolio Website: joro0.github.io/Portfolio/



Mechatronics Engineer graduate 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
- 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>

Mechatronics Intern – Aggregate Plants

Transportes Zuñiga SRL

January 2024 – March 2024

- Design, installation, and maintenance of control panels for aggregate plants.
- Maintenance of generators and three-phase motors.
- Detailed recording of generators, including main features, controller, and custom design of the electrical control diagram.

Information and Communications Technology Department – Intern

Transportes Zuñiga SRL

January 2022 – July 2022

- Worked in logistics and administrative operations, responsible for recording various files into the company's system.
- Maintenance of electrical equipment such as control panels, three-phase motors, generators, and more.
- Developed a plan for data flow and collection to inform the future development of software for preventive and corrective maintenance.

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

KUKA Robot Programming Training (KR C4 Controller)

Centro de Tecnologías Avanzadas de Manufactura, Pontificia Universidad Católica del Perú, Lima

November 2019 – December 2019

- Digital document number: 2020-538-B-0000011-01
- Verification code: LEZEIZ7K

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