

Guido Santillán

FULL-STACK WEB DEVELOPER · MECHATRONICS ENGINEER

Quito, Ecuador

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"Be the change you want to see in the world."

Summary

Mechatronics Engineer with experience in design and improvement of automated processes, innovation of equipment and production systems using computer-aided design software to develop and test potential solutions. Proven skills in CAD/CAM/CAE, mechatronic design, PLC, embedded systems, programming, design of machine elements, integrated manufacturing systems. Additionally, he spends his free time in the research of trending and emergent technologies and its future applications in the country.

At the present time, he is actively looking forward to expand his knowledge, improve his skills and obtain experience related to the development of industrial solutions with a local and global focus.

Projects

Designio

SYDERLABS

- Improve your design!

Quito, Ecuador

April 2018 - Current

Syder Ideas

SYDERLABS

- Store your ideas!

Quito, Ecuador.

April 2018 - Current

Experience

Web Developer

INDEPENDENT

- Redesign of Asociacion Ecuatoriana de Franquicias website.
- Redesign of Ecuafanquicias website.
- Redesign of Villagran Lara Asociados website.

Quito, Ecuador

April 2018 - Current

Project Manager

ECUAFRANQUICIAS

- Franchisable business's operative and administrative processes documentation and management.
- Part-time job based-on time availability.

Quito, Ecuador.

June 2017 - April 2019

Research and Teaching Assistant of: Computer-aided Design, Manufacture and Engineering subject (CAD, CAM, CAE)

DEPARTMENT OF ENERGY AND MECHANIC SCIENCES - ESPE

- Modelling, analysis and manufacture of a vehicle-based RIN.
- Out-come report generation, elaboration of processes sheets, G-code programming, design of the vehicle-based RIN using computer-aided software, strain simulation and post-process of the manufacturing operations.

Quito, Ecuador

Nov. 2015 – Mar. 2016

Undergraduate Researcher, Manufacturing Processes Lab.

ARMY FORCES UNIVERSITY - ESPE

Quito, Ecuador.

Jan. 2015 - Mar. 2015

- Design and development mechanism for mobile robots mechanisms using 3D printing and laser cutting techniques.

Education

International Exchange Student

TECHNISCHE HOCHSCHULE BRANDENBURG

Brandenburg an der Havel, Germany

March - Sept. 2016

- Development of thesis project: "Implementation of HIL/SIL simulation techniques for real-time tests of vehicle models using the DSPACE platform"
- GPA: A-
- System modelling | Vehicle dynamics | Embedded systems

Bachelor of Science (B.Sc.), in Mechatronics Engineering

ARMY FORCES UNIVERSITY - ESPE

Quito, Ecuador

Apr. 2011 - Feb. 2016

- GPA: 17.43/20
- Industrial Robotics | Mechatronic Automation | CAD/CAM/CAE

Skills

LANGUAGES:

Spanish	Native
English	Fluent - Sufficiency in English Certificate completed at ESPE
German	Basic - A1 completed at Technische Hochschule Brandenburg - Germany

PROGRAMMING EXPERIENCE:

Web development	HTML, CSS, SCSS, Bulma, Javascript, GIT, Webpack
Frontend	React, Redux, React-Router
Backend	NodeJS, Express
Testing	Jest, Enzyme
Databases	PostgreSQL, MongoDB, Redis
Hosting	Netlify, Heroku
CMS	Wordpress
Others	Python, \LaTeX

SOFTWARE EXPERIENCE:

Media	Adobe Indesign, Adobe Illustrator, Sony Vegas
Operating Systems	Windows, GNU Linux distributions (Ubuntu, Linux Mint)

Honors & Awards

2016	Honorable Mention , Awarded by the Army Forces University's principal	Quito, Ecuador
2016	Winner , EXPOINDUSTRIAL 2016 Mechatronics Competition – FESTO CHALLENGE	Quito, Ecuador
2016	High Performance Scholarship , Awarded by the Army Forces University to develop research projects in Germany	Quito, Ecuador