

# MARCELO ALBERTO VELASQUEZ ENRIQUEZ

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Sep 4, 2001 – Bolivian  
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STUDENT OF MECHATRONIC ENGINEERING



## OBJECTIVE

Passionate about experimenting with new technologies and the development of CAD systems, especially SolidWorks, I am seeking opportunities to apply and expand my skills in designing and developing advanced technological solutions. My goal is to create innovative projects that improve people's quality of life and contribute to advancements in various areas of science.

## SKILLS

Project Development  
TIG and MIG Welding  
SolidWorks Designer  
3D Designer  
Embedded Systems Designer  
Prototyping Creator

## LANGUAGES

Spanish | Native  
English | Advanced.  
Universidad Católica Boliviana  
Italian | Elementary.  
Da Vinci School

## EXPERIENCE

**Internship** Jul 2022 – Sep 2022  
CREOTEC – LA PAZ, BOLIVIA

During my internship at Creotec, a company specializing in the manufacturing of parts through 3D printing and the prototyping of mechanisms using FDM (Fused Deposition Modeling) technologies, I gained valuable experience in various areas. I actively participated in the production and design of 3D-printed parts, ensuring their quality and functionality. Additionally, I collaborated in the Electronics department, where I contributed to the creation and assembly of electronic circuits, applying my engineering knowledge to develop innovative and efficient solutions. This experience allowed me to deepen my understanding of rapid prototyping and the integration of electronic components into advanced engineering projects.

**Internship** Feb 2020 – Jul 2020  
TELFONIA INGENIERIA – LA PAZ, BOLIVIA

During my internship in the telecommunications field, I performed cabling for fiber optic fusion splicers, worked in storage and inventory management, disassembled and maintained fusion splicers, and participated in the packaging and preparation of equipment for distribution.

## EDUCATION

**Mechatronic Engineering** Feb 2020 – Present  
Universidad Católica Boliviana San Pablo  
– Av. 14 de Septiembre N° 4807, La Paz, Bolivia

**TIG and MIG Welding** Oct 2023 – Dec 2023  
Universidad Católica Boliviana San Pablo  
– Av. 14 de Septiembre N° 4807, La Paz, Bolivia

**Philosophy and Psychology** Nov 2019 – Feb 2022  
Nueva Acropolis La Paz – Abdón Saavedra 2010 casi esquina, Aspiazu, La Paz

**Ethical Hacking** Feb 2021 – May 2021  
Hexagon – La Paz, Bolivia

**High School** 2007 – Dec 2019  
Colegio Amor de Dios – Av. Arce 2955, La Paz

- Member of the Board of the Student Scientific Society of Mechatronic Engineering

## ACHIEVEMENTS

UNIVA GOAL MEXICO-BOLIVIA 2023  
Development project of a creative design between the Bolivian Catholic University and UNIVA University of Mexico. As a result, it will be presented at the UNIVA General Congress, where the best projects from all campuses will be showcased.

MOST IMPROVED PERFORMANCE AWARD NASA HERC 2024  
At the prestigious Human Exploration NASA Rover Challenge 2024, our team stood out by winning the 'Most Improved Performance' award. This award recognizes the significant effort and dedication we demonstrated in improving our performance notably compared to previous years.

HANNS SEIDEL STIFTUNG ACADEMIC EXCELLENCE SCHOLAR  
Recipient of the Hanns Seidel Foundation Academic Excellence Scholarship, in recognition of outstanding academic achievements and commitment to excellence.

BOLIVIANBOT DRONE RACING  
Winner of the Third Place in a certification competition in Mexico in Drone Racing

IRON CUP ROBOTICS COMPETITION: COMPETITIVE ROBOTICS EVENT IN BRAZIL AND BOLIVIA  
Participacion significativamente en la competencia de robótica, mostrando un alto nivel de habilidad técnica, creatividad y capacidad en Programacion y sistemas Embebidos

RECOGNITION OF STUDENT ENTREPRENEURSHIP 2023 AT THE BOLIVIAN CATHOLIC UNIVERSITY.

## CERTIFICATIONS & COURSES

SOLIDWORKS CAD Design Associate  
ORGANIZATION AND PARTICIPANT IN ITEC 2023

## HONORS & AWARDS

NASA HERC 2024 "Most Improve Performance Award"  
Racing Category: BolianBot 3rd Place  
Iron Cup Robotics Competition

## PUBLICATIONS

"Promotion of Bolivian Higher Education in Science and Engineering by STEM Engagement Activities through Participation in NASA HERC " IEEE

## REFERENCES

Fabio Diaz Palacio, Director of Mechatronic Engineering Program, La Paz, Bolivia. Phone: (+591) 72082521  
Alejandra Luna, Director of the Academic Excellence Program, La Paz, Bolivia. Phone: (+591) 70145333

## SOFTWARE

- SolidWorks
- Inventor
- UltimakerCura
- Proteus Professional
- Visual Studio Code
- LTspice
- MATLAB
- Microsoft Office
- Latex

## DRIVING LICENSE

Class P, 5 years of experience  
City driving  
Highway driving  
Driving in the USA and Bolivia