

MARCELO MORENO

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ABOUT ME

I am a proactive person, grateful for the work that God provides. I consider myself outgoing, friendly, and resourceful. My objective as an engineer is to stand out in my work environment, contributing ideas without neglecting any person in the group to achieve collective and company success.

EXPERIENCE

Graduate Research Assistantship - Advance Radar Research Center ARRC • August 2022/ Today • Norman, Oklahoma, USA

Development and manufacture of a smart, power-efficient, and low-cost solution, using new technologies for variable speed limit signs on Oklahoma highways. The most important tasks include Prototype 3D design, firmware and software coding, circuitry and PCB design, and field test for the finalized prototypes products.

Hardware and software design contractor - HBE Systems LLC (Remote) • May 2020/ April 2022 • Norman, Oklahoma, USA

Design of intelligent roadway products from the draft to the finished product. The most important tasks included: 3D design and drawing for the large-scale manufacturing of product casings. Design of electronic circuitry and PCB for large-scale manufacturing. Firmware and software design. Development of methodologies for large-scale assembly.

Chief Executive Officer - OIKOS • January 2020 / July 2022 • Santa Cruz de la Sierra, Bolivia

Own entrepreneurship focused on home automation and security. Design and implementation of smart electrical systems, for remote control of lighting, irrigation, curtains, etc. in homes. Design and installation of CCTV. Alarm systems and others. The most relevant tasks that were carried out in the position were: Project quotes, electrical/electronic design, HR management, search for new clients, closing deals with the final client, follow-up, and after-sales service.

Project manager - Foco Automatizaciones SRL • August 2015 / December 2019 • Santa Cruz de la Sierra, Bolivia

Management functions for correctly implementing electronics and automation projects, mainly in entertainment and marketing. The most relevant tasks that were carried out in the position were: Project quotes, electrical/electronic design, HR management, search for new clients, closing deals with the final client, follow-up, and after-sales service. The most relevant clients were Huggies, Ventura Mall, Mendocina, UPSA, Boomerang Stream, Samsung, Pollos Campeón, Mercantil Santa Cruz, Viva, Coca-Cola, and Marlboro, among others.

Electronic technician - Moreno Comunicaciones • August 2014 / February 2015 • La Paz, Bolivia

Laboratory technician. Tasks, of maintenance and repair of communication equipment such as base radios, mobile radios, repeaters, duplexers, power sources, and chargers. Brands such as Motorola, Kenwood, Yaesu, KYD, Wouxun and Hytera were managed and respective equipment installations were carried out. As an assistant, the tasks of receiving customers, calls, and advice for equipment sales were carried out.

Electronic technician - Thompson Comunicaciones • February 2013 / August 2013 • Santa Cruz de la Sierra, Bolivia

Laboratory technician. Tasks, of maintenance and repair of communication equipment such as base radios, mobile radios, repeaters, duplexers, power sources, and chargers. Brands such as Motorola, Kenwood, Yaesu, KYD were managed.

EDUCATION

Master of Science, Electrical and Computer Engineering (The University of Oklahoma) • August 2022 / Today Norman, OK

Embedded Systems Specialist - Universidad de Buenos Aires (UBA) • August 2016 / August 2017 • Buenos Aires, Argentina

Thesis: Monitoring and control system for filter and application of chemicals to the swimming pool

Electronic engineer - Universidad Privada de Santa Cruz (UPSA) • February 2010 / December 2014 • Santa Cruz, Bolivia

Thesis: Design and implementation of a control system for the multi-sports electronic board at UPSA

Bachelor of Humanities - Instituto Domingo Savio • February 1997 / November 2009 • La Paz, Bolivia

SKILLS

Programming languages: C, C++, and JavaScript.

Development boards: Raspberry, Arduino, and EDU-CIAA-NXP (dual core ARM Cortex-M4F & Cortex-M0)

Design software: KiCad EDA and Sketchup.

Languages: English (High) and Spanish (Native).

ADDITIONAL INFORMATION

Good at teamwork and good performance under pressure

Knowledge in Human Resources Management

Knowledge in the handling of carpentry and metalworking tools

REFERENCES

Dr. Jorge L. Salazar-Cerreno (ARRC) +1 (405) 922-7848

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