Jhonatan David Macazana Huaringa

(+51)989080350 ◇ jhonatan.macazana@utec.edu.pe

https://www.linkedin.com/in/jhonatanmacazana/

Electrical Engineering graduate in the upper third of the branch. I am interested in the field of the Internet of Things as a whole, from embedded systems to managing data in the cloud. I have been part of the development team of the project " El Aire Que Respiras " with funding from UTEC and I am currently working with IoT applications in remote areas with container orchestrators.

PROFESSIONAL EXPERIENCE

Nextmedicall — Certificatek — Linkop, Lima, Perú September 2020 - Present
Software Architect

· I am in charge of creating secure workflows for the development team and keep the security and availability of the production servers *nextmedicall.com, certificatek.com, linkop.pe*.

Empresa Siderúrgica del Perú S.A.A., Ancash, Perú Enero - Julio 2020
Project: Asset Monitoring Central

· The project consists of the design and implementation of a web application that allows the steel mill process variables historization and the generation of custom alarms. I was responsible for the entire application as a MERN stack developer.

PROJECTS/RESEARCH EXPERIENCE

Air Quality measurement portable device *January 2019 - August 2019*
I have developed a flexible device for the measurement of CO, CO2, MP2.5 y MP10 along with UTEC.
Accomplishment: we mapped the air quality in several major points of Barranco and Lima Metropolitana. The acquired information can be found on the official website *elairequerespiras.pe*

Temperature Monitoring Central *August - November 2018*
Design and implementation of an RF-based network of temperature measurement nodes. I was the developer of the RF communication firmware and the low power consumption design.
Accomplishment: I was the main speaker and author of the published paper on INTERCON 2019.

PROFESSIONAL FORMATION

Universidad de Ingeniería y Tecnología - UTEC *2016 - Present*
Electrical Engineering Department - Upper third

TECHNICAL ABILITIES

Model and Analysis	MATLAB, Eagle, Python, AutoCad, Ms Office
Programming & Software	C++, C, HTML, SQL, Linux, MERNG stack
Languages	English, Spanish

OTHER ACTIVITIES

Vicepresident of the IEEE CASS UTEC student chapter *August 2019 - Present*
Promote research and development in the circuits and systems area of the Electrical Engineering Department.

Volunteer on Educa Impacta Crece in the "Fe y Alegría N24" school *March - July 2018*
Develop socio-emotional skills in children so they can have better tools in their future.

Instructor on Ciencia con Corazón in the "I.E. Leoncio Prado" school *March - July 2018*
Promote the technology study through projects with Arduino to youth in low-income areas.

Academic tutor for risk academy students of the Signals and Systems Analysis course from UTEC
March - July 2018
Provide tools for academy risk students to improve their learning.

Volunteer at "I.E.P. Jesús La Roca" *2012 - 2016*
Organize Christmas events for children from remote communities in the Sierra de Lima.