MANUEL OMAR CARITA CONDORHUAMAN

manuel.carita@utec.edu.pe | (+51) 982321070 | LinkedIn: linkedin.com/in/manuelcarita/

Fourth year student of Mechatronics Engineering at the Universidad de Ingeniería y Tecnología (UTEC), Perú. With capacity of analysis, continuous learning, and commitment to achieve the desired results. Interested in innovative tech projects, digital transformation, and programming. Knowledge in Python, Machine Learning, Image Processing, Computer Vision, Robotics, Electromobility, Web Development and Desktop and Mobile Applications. I have experience in project management through agile methodologies such as Design Thinking and SCRUM.

PROJECT DEVELOPMENT

OHM FORMULA RACING – SAE UTEC |Wheels & Brakes|Electric Systems| Sep. 2021 – Present

Formula SAE Electric prototype - OFR

- Redesigned uprights and pedal box to give better ergonomics to the car and reduce its weight by 2.5%
- Designed the electronics systems of a single-seat Formula Student Electric car.
- Negotiated with a sales representative to support the project by donating $3,000 worth of components
- Led, trained, and organized a team of 15 people

BLUME TEAM - GIIT ROBOTICS | Software/GUI | Sep. 2021 – Present

Underwater robot (ROV) for sea decontamination – Bobelto – MATE ROV 2022

- Exploration of the effects of pollution in the Peruvian maritime territory through a remotely operated vehicle .
- Designed and programmed the GUI interface of the prototype to facilitate its use and scalability .

UTEC | Apr. – Aug. 2021

Development of a Telemedicine Robot

- Diagnosed and evaluated opportunities for improvement in automated primary care processes using a robot .
- Designed and planned the 3D model and GUI of the project for easy handling .
- Reduced time and money by 500 dollars through the redesign of the robot prototype for health control.

EDUCATION

Universidad de Ingeniería y Tecnología | 2019–Present
Mechatronics Engineering – 4th year
GPA 3.19

ACKNOWLEDGMENT

Undergraduate Scholarship – Beca 18 | 2019 - Present
Universidad de Ingeniería y Tecnología (UTEC)
Language Scholarship – Beca Ingles EBR | 2016 – 2019
Instituto Cultural Peruano Norteamericano (ICPNA)

COMPLEMENTARY KNOWLEDGE

Hardware	Software	Programming
• Oscilloscope	• Autodesk Fusion 360	• MATLAB
• Power Supply	• GitHub	• Python
• Multimeter	• AWS	• C++
• Soldering Iron	• Altium	• Dart
	• Ansys	• ROS (Robot Operating System)

SKILLS

Organization | Puntuality | Commitment | Leadership | Creativity

OTRAS ACTIVIDADES

- CIENCIAS UTEC: Marketing área member — 2021
- I.E. SAN VICENTE FERRER: Teacher assistant of English courses — 2020
- PANAMERICAN GAMES LIMA 2019: Technology Volunteer — 2019