Carlos Gonzalez Visiedo

Robotics Engineer - AI Researcher

Contact Information

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Maynooth, Ireland

https://github.com/cargonvis

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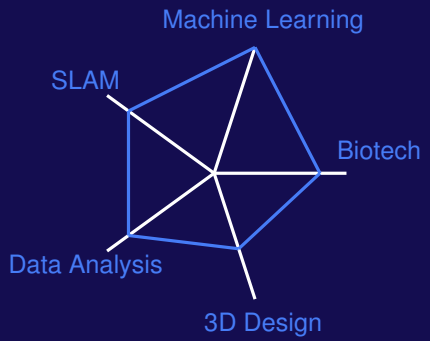
Personal Skills

- Problem-Solving
- Adaptability
- Remote Work Proficiency
- Time Zone Flexibility
- Independent & Self-Driven
- Team Collaboration
- Time Management

Programming Skills

- Python, C++, Matlab, C
- ROS2, YOLO, Tensorflow, OpenCV
- MariaDB, MySQL, SQLite, MongoDB
- Ubuntu, Debian, Windows 10
- Arduino, Raspberry, Adafruit, Nvidia
- Tinkercad, Prusa, Elegoo, Creality

Professional Skills



Languages

Spanish
English
Mandarin
Finnish

Work Experience

Project Worker - RoboAI Healthcare

April 2022 - August 2023

Satakunta University of Applied Sciences

Combine technology and healthcare.
Design of devices that promotes inclusivity using smart clothing and smart furniture technology.
Utilising EEG technology, development of app interface for visualizing EEG data.

TrainScanner Project with Object Detection

November 2021 - April 2022

Virelabs Ltd

Development of an image detection system that analyze scanned trains images and identify each wagon.
Annotating images by using labelImg and training of a deep neural network.
Images processed with YOLOv4 and Darknet.

Project Worker - Moodle plugin

May 2021 - July 2021

Satakunta University of Applied Sciences

Implementing CodeRunner plugin in SAMK Moodle.
Innovating new exercises and quizzes categorised by topic.
Configured for avoiding future students to cheat.
Study of required documentation and reported working hours.

Education

MSc in Robotics and Embedded AI

September 2024 - June 2025

Maynooth University

Area: Electronics and Computing Science.
Speciality: Robotics, Artificial Intelligence and Embedded Systems.
Thesis: Thermal-Sensitive 3D SLAM Sensor Fusion Using LiDAR and Thermal Camera in ROS2 [1].

BEng in Data Engineering

August 2020 - August 2023

Satakunta University of Applied Sciences

Area: Data Engineering.
Speciality: Artificial Intelligence.
Thesis: Deep Learning EEG-based Motor Imagery System for Robot Control using 3D Printed Headset and Electrodes [2].

Publications

[1] C. Gonzalez Visiedo, "Thermal-Sensitive 3D SLAM Sensor Fusion Using LiDAR and Thermal Camera in ROS2," Master's thesis, Maynooth University, 2025. Available: https://doi.org/XX.XXXX/XXXXXXX.XXXX.XXXXXXX.

[2] C. Gonzalez Visiedo, "Deep Learning EEG-Based Motor Imagery System for Robot Control Using 3D Printed Headset and Electrodes," Bachelor's thesis, Satakunta University of Applied Sciences, 2023. Available: https://urn.fi/URN:NBN:fi:amk-2023060822802.