PERSONAL INFORMATION

Carlos Gonzalez Visiedo

 Maynooth, Ireland

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 https://cargonvis.github.io

Nationality Spanish

JOB APPLIED FOR

Robotics Engineer

WORK EXPERIENCE

April 2022 – August 2023

Project Worker - RoboAI Healthcare

Satakunta University of Applied Sciences - Pori, Finland

Projects combining 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 measurements.

November 2021 – April 2022

TrainScanner Project with Object Detection

Virelabs Ltd - Pori, Finland

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. Use of Python.

May 2021 – July 2021

Project Worker - CodeRunner plugin for SAMK Moodle

Satakunta University of Applied Sciences - Pori, Finland

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

EDUCATION AND TRAINING

September 2024 – June 2025

Master of Science in Robotics and Embedded AI

Maynooth University, Ireland

– 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].

August 2020 – August 2023

Bachelor of Engineering in Data Engineering

Satakunta University of Applied Sciences, Finland

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

PERSONAL SKILLS

Mother tongue	Spanish

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Mandarin	A2	A2	A2	A2	A2
Finnish	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills

– Enjoying working as part of a team as well as autonomously.
– Eager to work remotely and deal with time differences.
– Experience in the delivery of presentations in workshops, meetings with clients.
– Able to read and also deal with difficult, high-pressured situations.

Digital competences

SELF-ASSESSMENT				
Information Processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital competences - Self-assessment grid

Computer skills

– Programming and Markup Languages: Python, C++, Matlab, C, HTML5, CSS3, Bash, Markdown.
– Frameworks and Libraries: ROS/ROS2, Keras, YOLO, .Net, Django, Numpy, Pandas, Tensorflow, OpenCV, Scikit Learn, Scipy, Pytorch.
– Databases and Cloud Hosting: MariaDB, MySQL, SQLite, MongoDB, Redis, Neo4j, Azure, AWS, Github Pages, Heroku.
– Virtual Machines: VMWare, Gnome Boxes.
– Software and Tools: Ubuntu, Manjaro, Debian, Fedora, Windows 10, Visual Studio Code, Jupyter Notebook, Google Colab, Docker, Git, Notion, OBS Studio, Outlook, MS Office.
– Embedded Devices: Arduino, Raspberry Pi, Adafruit ESP32, Nvidia Jetson, OpenBCI boards.
– 3D Design and Printing: Tinkercad, Freecad, Prusa, Elegoo, Creality.

Driving licence

B (Spanish Driving License)

Certifications

– Matlab Onramp (June 2023)
– AWS Academy Graduate - AWS Academy Machine Learning Foundations (December 2021)

PUBLICATIONS

[1] Carlos Gonzalez Visiedo. "Thermal-Sensitive 3D SLAM Sensor Fusion Using LiDAR and Thermal Camera in ROS2." MA thesis. Maynooth, 2025.

[2] Carlos Gonzalez Visiedo. *Deep Learning EEG-based Motor Imagery System for Robot Control using 3D Printed Headset and Electrodes.* Pori: Satakunta University of Applied Sciences, 2023.