

Carlos Gonzalez Visiedo

+353 870 376 294 | carlos.gonzalez.visiedo@outlook.com | <https://cargonvis.github.io/>

 <https://www.linkedin.com/in/carlosgonzalezvisiedo/> |  <https://github.com/cargonvis>




 <https://iee-collabratec.ieee.org/app/p/CarlosGonzalezVisiedo> |  <https://orcid.org/0009-0002-8629-5913>

Maynooth, Ireland

OBJECTIVE

Enjoy working collaboratively in teams as well as independently, with strong experience delivering presentations in workshops and client meetings. Comfortable working across time zones and in remote environments. Adaptable, reliable, and prepared to travel or relocate to pursue professional growth and training opportunities. Confident in managing high-pressure situations with a problem-solving mindset.



EXPERIENCE

- **RoboAI - Satakunta University of Applied Sciences**  April 2022 - August 2023
Project Worker - RoboAI Healthcare Remote (occasional on-site in 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.
- **Virelabs Ltd**  November 2021 - April 2022
TrainScanner Project with Object Detection Remote
 - 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.
- **RoboAI - Satakunta University of Applied Sciences**  May 2021 - July 2021
Project Worker - CodeRunner plugin for SAMK Moodle Remote
 - 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

- **Maynooth University** September 2024 - June 2025
Master of Science (MSc) in Robotics and Embedded AI Maynooth, 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.
 - GPA: X.XX/10.00
- **Satakunta University of Applied Sciences** August 2020 - August 2023
Bachelor of Engineering (BEng) in Data Engineering Pori, Finland
 - Area: Data Engineering.
 - Speciality: Artificial Intelligence.
 - Thesis: Deep Learning EEG-based Motor Imagery System for Robot Control using 3D Printed Headset and Electrodes.
 - GPA: 5.00/5.00

PROJECTS

- **Cheap Flights Search: Cheap flights search tool using a Raspberry Pi Zero/Zero 2W.** August 2023 - September 2023 
Tools: Python, JSON, Pandas.
 - Developed a web-based flight search tool, enabling users to find the cheapest flights by date and destination.
 - Implemented Kiwi API integration and filtering logic, efficiently processing large sets of flight data and enabling email notifications for matched search results.
 - Created dynamic visualizations to display best date-price combinations for easy decision-making.
- **Optimal Accommodation Locator: Intelligent tool for optimal travel accommodation.** July 2023 - August 2023 
Tools: Python, Jupyter Notebook, Folium, Pandas, Scikit-Learn.
 - Developed an intelligent accommodation recommendation system, suggesting optimal locations based on user-planned attractions.
 - Implemented geolocation-based distance scoring and clustering, processing hundreds of city location points dynamically.
 - Created interactive Folium-based heatmaps to visualize accommodation suitability across the city.

PATENTS AND PUBLICATIONS

C=CONFERENCE, J=JOURNAL, P=PATENT, S=IN SUBMISSION, T=THESIS

- [S.1] C. Gonzalez Visiedo (2025). **Thermal-Sensitive 3D SLAM Sensor Fusion Using LiDAR and Thermal Camera in ROS2**. *Maynooth University*. September 2025, Maynooth. DOI: XX.XXXX/XXXXXXXX.XXXX.XXXXXXX
- [T.1] C. Gonzalez Visiedo (2023). **Deep Learning EEG-based Motor Imagery System for Robot Control using 3D Printed Headset and Electrodes**. *Satakunta University of Applied Sciences*. August 2023, Pori. Available: <https://urn.fi/URN:NBN:fi:amk-2023060822802>

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.

CERTIFICATIONS

- **Matlab Onramp** June 2023
- **AWS Academy Graduate - AWS Academy Machine Learning Foundations** December 2021

ADDITIONAL INFORMATION

Languages: Spanish (Native level), English (Proficiency level), Mandarin (Basic level), Finland (Basic level).