ARTUR ROMERO HAZAS

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SKILLS

- ROS
- C++ and Python
- IoT devices
- Cobot integration
- AWS and Cloud computing
- ML and Computer vision
- SLAM, AGV and AMR robotics
- EV, power and charging systems
- Java and Android Apps
- CAD and PCB design

LANGUAGES

Spanish:

Bilingual or Proficient (C2)

Catalan:

Bilingual or Proficient (C2)

English:

Bilingual or Proficient (C2)

Romanian:

Elementary (A2)

PROFESSIONAL SUMMARY

As a Robotics Director and Software Engineer, I excel in automation, collaborative robotics, unmanned vehicles, agri-tech, and environmental technology. I approach learning with curiosity and maintain a motivated attitude. My diverse skill set includes design, prototyping, and testing.

WORK HISTORY

Robotics Business Mentor, 10/2023 to Current
Edinburgh Innovations, Bayes Centre - Edinburgh

- Provided expert guidance for optimising operations through robotics and autonomous systems.
- Led workshops and fostered collaborations, integrating advanced technology into business strategies to drive innovation in robotics.

Robotics Director, 11/2021 to Current
Branch Robotics - United Kingdom

- Acted as a team leader in group projects, delegating tasks and providing feedback.
- Experience working on various technology projects, including those related to robotics, collaborative robots (cobots), autonomous platforms, AC/DC charging and power systems, and IoT systems.
- Expert in hardware, electronics and software development.

Lead Robotics and Software Engineer, 01/2020 to 12/2022
Agricarbon UK - Dundee

I managed the development of Agricarbon's innovative soil carbon quantification system project, overseeing it from its initial concept to completion.

- Hardware engineering: Designing electronics systems and PCBs
- Software development: Utilizing ROS, Python, C++, and Bash scripting, as well as developing Android apps using Android Studio and Java
- Cloud and DB engineering: Managing S3, DynamoDB, and RDS
- Mechanical engineering: Overseeing prototyping, CAD, and manufacturing processes

Mechatronics and Software Engineer, 01/2019 to 04/2020
Faromatics - Barcelona

- Worked as part of a 1-year acceleration program with RobotUnion and Faromatics to develop a new robotic product
- Hardware engineering: Electronics and PCB design, working with Arduino and Raspberry
- Software dev: Robot Operating System (ROS), C++ and Python
- Mechanical and Design Engineering: Prototyping, CAD, manufacturing, and hands-on experience with workshop tools

EDUCATION

Polytechnic University of Catalonia - Barcelona
Aerospace Engineering, 09/2018
With honours in Maths, Physics, Mechanics, and Thermodynamics.

Polytechnic University of Catalonia - Barcelona
Telecommunications Systems Engineering, 06/2019
With honours in Maths, Electronics, and Software Engineering.