



MARIO PÉREZ MARTÍNEZ

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SUMMARY

Agricultural Engineer and Product Manager with experience at the intersection of agriculture, machinery and technology.

My background combines hands-on field experience supporting farmers and deploying precision agriculture systems, with technical expertise in data analysis, system integration and product development.

I specialise in bridging real farming operations with technological solutions, ensuring correct implementation, troubleshooting and performance in real field conditions.

Experience working directly with growers, supporting adoption of digital farming tools and collaborating with engineering teams to deliver reliable and practical solutions.

WORK EXPERIENCE

Product Manager & Technical Trainer, Zetrack

Jan 2025 - Present

- Lead the development and validation of electric and autonomous agricultural machinery in real field conditions.
- Define product requirements and use cases based on farmer needs and operational constraints.
- Plan and execute field testing campaigns with farmers, partners and external stakeholders.
- Analyse telemetry and operational data to improve performance, reliability and energy efficiency.
- Support the integration and compatibility of agricultural implements and external systems.
- Work with electronic systems (CAN bus, drivers and configuration) to ensure proper system behaviour.
- Act as a bridge between engineering teams, product development and end users.

GIS Technical Consultant, Elliot Cloud

Mar 2022 - Jan 2025

- Developed GIS solutions using QGIS and open-source tools for data visualisation and analysis.
- Automated geospatial data workflows using Python to improve efficiency and reduce manual processing.
- Designed, managed and maintained SQL databases, ensuring data integrity and accessibility.
- Worked directly with clients to understand requirements and translate them into technical solutions.
- Processed and analysed spatial data to support operational decision-making.

Agricultural Technology Specialist (Precision Agriculture & IoT), Agrosap

Feb 2020 - Mar 2022

- Installed and configured precision agriculture systems, including GPS guidance and yield monitoring devices across different crops.
- Provided technical support and troubleshooting to farmers and operators using agricultural technology in real field conditions.
- Worked closely with growers to ensure correct use and adoption of digital farming solutions.
- Analysed field data from sensors and monitoring systems to generate actionable agronomic insights.
- Supported the deployment of precision agriculture solutions aligned with industry-standard platforms (PTx full-line solutions).
- Participated in innovation and R&D projects (ATHOS 5G, AIWATER, GO Inverconec).

EDUCATION

Master's Degree in Digital Agriculture & Agri-Food Innovation

Sep 2019 - Jul 2020

University of Seville

Bachelor's Degree in Agricultural Engineering

Sep 2014 - May 2019

University of La Rioja

- Academic exchange program in Milan, Italy, 2018

ADDITIONAL INFORMATION

- **Technical Skills:** Precision Agriculture Systems, Agricultural Machinery, GPS Guidance Systems, Yield Monitoring, CAN bus, Python, SQL, QGIS, Data Analysis, IoT, Telematics.
- **Languages:** Spanish (Native), English (B2), Italian (B1).
- **Certifications:** Google Project Management Certificate.
- **Activities:** Independent collaboration with wineries and research institutions (including ICVV), applying data analysis and technology to agricultural environments