

PROFILE

I am an embedded software and mechatronics design engineer with 6 years of industry experience. I possess a very technical profile combined with excellent project management skills, as well as social skills.

After this time spent enjoying engineering from a development and R&D perspective, I am looking for an opportunity to give a different approach to my career. Working as a pre-sales engineer would be the perfect match between my technical expertise and a client oriented position.

SOFT SKILLS

Leadership
Troubleshooter

Goal oriented
Work under pressure

Fellowship teamwork
Interpersonal skills

Time management
Creativity

HARD SKILLS

MS Projects
MS Planner and Teams
MS Visio
Jira

Embedded systems
C/C++
STM32, PIC
Python

Software development
C# .Net
IP
Cisco CCNA certification

MS Excel
Complex data analysis
Image processing
Signal processing

EXPERIENCE

SENIOR DESIGN AND DEVELOPMENT ENGINEER

Camera Corps Ltd (UK), speciality remote camera systems company

JUN 2016 -
CURRENTLY

Tasks:

- Delivering of projects to clients, within quality standards and budget.
- Project management (MS Planner and Teams).
- Robotic camera heads, full design and development.
- Development of IP compatible communications environment for products.
- Development of a wide range of schematics, from technical CAD to client oriented systems.
- Technical support to clients. Creation of reports.
- Creation of BOM's and technical documentation.
- Embedded software development (STM32, PIC).
- Complex real time data analysis (Matlab).
- Software development (.Net).

Achievements:

- Full development and technical project management of miniature HD speciality camera used at Lille 2018 Volleyball Nations League.
- Leadership of negotiations with the FIVB in order to get the in-net HD camera approved and ready to use at Lille 2018 Volleyball Nations League.
- Full development and technical project management of remote controlled mini crane with high frame rate HD camera used at Russia 2018 Football World Cup and UK Premier League.
- Participation in design and development of many speciality cameras for Winter Olympics 2018 and Summer Olympics 2020.
- Development of real time camera lens evaluation software based on MTF measurement and ISO 12233 standard.

SPECIALITY CAMERAS AND BROADCAST ENGINEER

PyeongChang Winter Olympics 2018

JAN 2018 -
FEB 2018

Tasks:

- Live engineering on Winter Olympics 2018 for OBS, working in culturally delicate and high security international environment.
- Providing of highly qualified engineering support to technical operators and crew.
- Technical supervision of event production.

Achievement:

- The event was a complete success to the full satisfaction of the client.

R&D HARDWARE ENGINEER

Marine Instruments S.A. (Spain), leaders in marine electronic equipment with a €20M turnover in 2017

**DEC 2013 -
MAY 2016**

Tasks:

- Electronics design focused on power management and involving solar panels, batteries, motors and efficiency improvement.
- Industrial cameras and vision related projects.
- Embedded software development.
- Software development (.Net).
- Mechanical design.

Achievements:

- Design and development of tele lens stabilizer based on IMU (electronics and mechanics)
- Design and development of auto-focus function algorithm based on image processing (electronics and software)
- Design and development of maximum power point tracker for solar panels to optimum charging of batteries (electronics and software)
- Design and development of special power optimized driver for brushless motors (electronics and software)

EDUCATION

2016 - 2020

TELECOMMUNICATION ENGINEERING MASTER'S DEGREE
Universitat Oberta de Catalunya, Spain

2014 - 2015

ELECTRONICS ENGINEERING BACHELOR'S DEGREE
Leon's University, Spain

2013 - 2014

MECHATRONICS MASTER'S DEGREE
Vigo's University, Spain

2009 - 2013

INDUSTRIAL ELECTRONICS ENGINEERING BACHELOR'S DEGREE
Vigo's University, Spain

LANGUAGES

**SPANISH &
GALICIAN**

Native

ENGLISH

Fluent

PORTUGUESE

Advanced