

ADRIÁN CELADA

Aerospace Engineer

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EXPERIENCE

IoT & Systems Engineer



📅 June, 2021 – Ongoing 📍 Madrid, Spain

- Providing digital services to customers of Alstom-Bombardier rolling stock platforms. Fleet monitoring.
- IoT systems architecture, V&V workflow, SW development, CBM, data engineering and analysis.

HUMS & Systems Engineer



📅 March, 2021 – June, 2021 📍 Getafe, Spain

- Monitoring the health usage and status of aircraft systems. Failure prognosis and maintenance requests.
- Systems definition, data engineering and data analysis.

SHM & Structural Integrity Engineer



📅 September, 2017 – March, 2021 📍 Getafe, Spain

- Monitoring the fatigue life consumption, health status of defence aircraft structures, systems integrity, and flight events investigation.
- Software development, data engineering and data analysis.

HAPS Thermal Control Engineer



📅 July, 2017 – September, 2017 📍 Madrid, Spain

- Modeling of thermal transfer on the surface of a High Altitude Pseudo Satellite (HAPS) airship.
- Back up for preliminary design.

HAPS Aerodynamics Engineer



📅 September, 2016 – July, 2017 📍 León, Spain

- Modeling the wake caused by a HAPS airship in a low-medium Reynolds environment.
- Collaboration in HAPPIEST project (ESA) with Deimos Engenharia, Thales Alenia Space and Airobotics GMBH.

LIFE PHILOSOPHY

"Sky is not the limit."

MOST PROUD OF



Team spirit

The success of one is the victory of all



Persistence & Loyalty

Doesn't matter the goal. When I'm within a team, I always give my best.



Never stop learning

To be an unstoppable mind is the key for never falling behind.

STRENGTHS

Motivator & Leader

Open-minded

KNOWLEDGE

Python

SQL

VBA

JS

Matlab

Bash

MO

Linux

Git

WebDev

Cloud

SE

BI

V&V

Management

Scrum

LANGUAGES

Spanish

English



REFERRALS

Prof. Jesús Gonzalo de Grado

@ University of León

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Emilio Murcia Pacheco

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PROJECTS

Viral transmission modeling



📅 March, 2020 – July, 2020

📍 Madrid, Spain

- Motivated by the SARS-CoV-2 pandemic, a revision of the current biological models used for forecasting viral transmission evolution was done. As well, a brand new model based on medical and biological features of each person was defined and implemented.

UAS design and promotion



DROXYUM

📅 July, 2015 – September, 2016

📍 León, Spain

- In 2015, a group of students decided to create an innovation company for the promotion, designing and manufacturing of automated systems, on behalf of University of León. The aim of the project was to develop brand new technology in a small city as León thanks to the incoming young knowledge of the University's graduates.

EDUCATION

M.S. in Aerospace Engineering



📅 September 2015 – July 2017

- Final project: Development of a tool for simulating the wake generated by a body in a fluid based on potential aerodynamics.
- Mean master score: 8.73 (Extraordinary prize upon graduation).

B.S. in Aerospace Engineering



📅 September 2011 – July 2015

- Final project: Unmanned Aerial Vehicle Interceptor.
- Mean degree score: 7.97

COURSES

White hacking and cybersecurity

Udemy

📅 December 2022 – February 2023

Fatigue of Structures and Materials

TU Delft

📅 September 2020 – October 2020

Introduction to PowerBI

OpenWebinars

📅 September 2020

Machine Learning and Data Science in Python

Udemy

📅 March 2019 – March 2020

Fatigue Analysis

Altran

📅 June 2019 – July 2019

Space exploration: a sci-tech view

University of León

📅 July 2017

Computational Fluid Dynamics with OpenFOAM Course

University of León

📅 December 2014

Aircraft Simulators Course

University of León

📅 March 2014 – April 2014

Catia Design Level I-II

ServiCAD

📅 July 2013 – September 2013

Aircraft and Helicopters Course

University of León

📅 May 2012