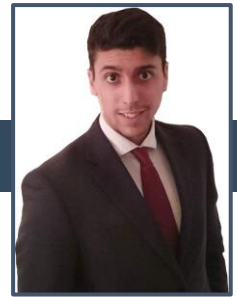


MARIO CANO DIAZ

CONSULTANT/AEROSPACE ENGINEER



Email: mario.cano.diaz@hotmail.com ♦ Tel: (+34) 663 015 871

Website: www.mcanoengineer.com

Professional Profile

Resourceful, skilful and committed engineer constantly looking for new challenges. Faces each problem with a strong logical, analytical and creative mind. Huge capacity for team working, either as a leader or a driven co-worker. Willing to listen to team fellows and consider communication skills crucial for any project. With a fast learning curve, strong adaptation and self-taught capacity. Hard worker and cold minded under stress.

“Creative, innovative and proactive engineer who is fascinated by the space field.”

Awards and Achievements

- 2015 | 1st Place Winner NASA Gemini Mars International Competition, CRANSeds Team, UK. Mars Society Conference CUA, Washington DC. Website: mars.cranseds.co.uk
- 2015 | International Exchange at Illinois Institute of Technology
- 2015 | Internship Scholarships Santander CRUE-CEPYME Bursaries

Education

- 2015-2016 | **MSc in Astronautics and Space Engineering**, *Cranfield University* United Kingdom. European Partnership Programme with UPC
Modules: Systems Engineering, Propulsion, Communications, Astrodynamics, Operations, FEM, Spacecraft AOCS.
Thesis: Orbit optimization through GA for ESA's M5 Call in collaboration with OXFORD university and OPEN university.
Projects: Sunshield. Management, Systems and Electrical Engineering Role.
- 2014-2016 | **MSc in Aerospace Engineering**, *Polytechnic University of Catalonia, ETSEIAT, Spain* – 120 ECTS. *Double Degree Program with Cranfield University*
MSc in Management Engineering, *Polytechnic University of Catalonia, ETSEIAT, Spain* – 120 ECTS.
Modules: Aerodynamics and Flight and orbital Mechanics, Rockets Combustion and Propulsion, Aerospace Vehicles, Management of Aerospace Vehicle Projects.
Projects: H2020 Horizon RAFT-SOS. Systems Engineering Role.
- 2010-2014 | **BEng in Aerospace Vehicles Design Engineering**, *Polytechnic University of Catalonia, ETSEIAT, Spain* – 240 ECTS
Modules: Automatic Control, Aerodynamics, Gas Dynamics and Heat and Mass Transfer, Flight mechanics, Aircraft Design, Project Management.
Projects: L3S CubeSat Launcher Systems & Electrical Engineering Role.

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Experience

Professional

- | | |
|------------------------|---|
| 2016
(Present) | Consultant , <i>Advanced Logistics Group-INDRA</i> ,
Barcelona, Spain. Website: www.alg-global.com www.indracompany.com
Task: Manage, produce and deliver consultancy projects for top-tier organisations, including client relationship management.
Outcome: Successfully delivered projects for European Frameworks and institutions such as EC, ERA, EDA, ESA. Develop strategic study for Etihad Rail, UAE. Gained consultancy service tenders in European context. |
| 2015
(2 months) | Junior Aerospace Engineer , <i>GMV Innovating Solutions</i> ,
Madrid, Spain. 2-months programme. GMV Bursary. Website: www.gmv.com
Task: GNSS Department, optimize long-term prediction algorithms for GNSS satellites and generate prediction products. MAGICGNSS Project.
Outcome: 60% of prediction error reduction and daily products generation |
| 2015
(4 months) | Junior Systems Engineer , <i>RDmes Technologies SL</i>
Barcelona, Spain. Santander Bursary. Website: www.rdmes.com
Task: R+D Department, Design/Build from scratch a new low-cost solution for monitoring and control solar panels installations. OmniluS Project.
Outcome: Full system integration and working, first prototype working. |
| 2012-2013
(2 years) | IT Consultant- Web Designer , <i>Integració de Serveis Industrials DICA SL</i>
Barcelona, Spain. Website: www.limpiezasdica.com
Task: Design and implement the website of the company and delivery of consultancy services about IT. |

Technical Skills

Software	Solidworks, Hypermill, AutoCAD, CATIA, ANSYS, MS Office
Programming	C++, MATLAB, Java, Python, Perl, PHP/MySQL, HTML5/CSS3 ,Android
Hardware	Arduino, Raspberry, PCB Design
OS	Linux, Linux Server, Windows
Soft Skills	Management, Lateral thinking, Quick-learning, Team working, Adaptiveness

Languages

English	Proficiency C2	Spanish	Mother-tongue	Catalan	Mother-tongue
German	Beginner A1				

Personal Profile & Interests

Sports	Climbing: Member of the Cranfield Climbing Club Handball: Member of the Cranfield Wolves Handball Club
Clubs	CranSEDS, EUROAVIA, TRT (Rocketry), LLOP (Software)
Personal	Non-smoker, Healthy, Athlete, vocational Chess Player.