Francisco (Paco) Muro

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PROFESSIONAL PROFILE

With a background in Aerospace Engineering, Software Development and Entrepreneurial studies, I'm excited to join innovative and leading edge technology projects. I want to release my creative potential and take advantage of my multidisciplinary skills to make a greater impact, while ready to be surprised, curious about new knowledge and taking ownership of my results.

PROFESSIONAL EXPERIENCE

08/2018 - 10/2019 (internship, master thesis)

Silexica – Cologne, Germany
Agile Project Management
- ✓ Planning and implementing agile adoption
- ✓ Enacting change and continuous improvement
- ✓ Several responsibilities, "wearing different hats"
- ✓ Jira/Bitbucket Admin + backend automation scripting

03/2017 - 07/2017

Tadorea – Madrid, Spain
Airspace Data Infrastructure Engineer
- ✓ R&D of Air Traffic Analysis tools
- ✓ Development of runway allocation software
- ✓ Analysis of airspace and runway usage

09/2016 - 02/2017 (internship)

National Aeronautics and Space Administration (NASA) – NASA Ames, CA, USA - *Human Systems Integration Division*
- ✓ Data analysis and software development supporting research on Air Traffic Management tools
- ✓ Running human-in-the-loop simulations for data collection of innovative ATM tool

03/2016 - 07/2016 (internship)

The Innaxis Foundation & Research Institute – Madrid, Spain
- ✓ Decoding ADS-B signals
- ✓ Studying opportunities and feasibility for ATM analysis

12/2015 - 02/2016 (internship)

Deutsches Zentrum für Luft- und Raumfahrt (DLR) – Braunschweig, Germany - *Institut für Flugführung*
- ✓ Research of GNSS Based Relative Navigation for Intentional Approximation of Aircraft
- ✓ Implementation of algorithms and analysis of experiments

EDUCATION

2017-2019	**Aalborg University (AAU)** – Aalborg, Denmark Master in Entrepreneurial Engineering Thesis title: "A method to improve and adopt agility in growing organizations: a high-tech software company case study"
2014-2015 (Erasmus, 2 semesters)	**Technische Universität Braunschweig (TU BS)** – Germany Bachelor of Science: Luft- und Raumfahrttechnik (Erasmus exchange program)
2013-2014 (Exchange, 2 semesters)	**Nanyang Technological University (NTU)** – Singapore Bachelor of Science: Aerospace engineering (International exchange program)
2011-2017	**Universidad Carlos III de Madrid (UC3M)** – Spain Bachelor of Science: Aerospace engineering (Issuer of the bachelor title)

Languages	Spanish – Native English – Fluent (2017: TOEFL score; 109/120 or C1+) German – Fluent (finished B2 course at the Volkshochschule Braunschweig in 2015)

IT Skills	MS Office:	Very good
	Programming:	Matlab, Python, Java, JavaScript, C++, Groovy
	Agile:	Atlassian Jira/Bitbucket Admin, Scriptrunner
	FEM:	SolidWorks Fluent
	CAD:	Siemens Solid Edge
	Audio:	Ableton Live, Bitwig, Native Instruments

PERSONAL PROFILE

Music	Amateur experience in the field of electronic music composing, synthesizers, recording and playback devices, designing spaces for sound treatment, DJ professionally.
Interactive Digital Arts	Another way to fulfill my urge of closing the gap between inert technology and human psychology is to code and build interactive visual arts. As a hobby I design and implement physical light installations, wearables and IoT lighting solutions. It's absolutely fulfilling and mesmerizing.
International experience	As a kid I spent a year in a boarding school in **England**. Ever since I felt very independent and responsible for myself. During high school I took part on two different exchange programs in **the Netherlands** and **New York City**. During my exchange in **Singapore** I had the chance to explore other southeastern Asian cultures. Knowing I would do Erasmus exchange in **Braunschweig, Germany**, I spent that summer learning German in **Berlin**. Taking my last lectures back in **Madrid** felt like a new beginning rather than coming back. The internship at NASA and living in **Silicon Valley** was one of the most fulfilling experiences of my life. During my master studies in **Denmark** I developed and practiced exciting skills that will be key for the future of my career, as for my personality. Currently I live in **Cologne,** which offers me a very satisfying stage of my life for self introspection and bonding with diverse and open-minded individuals.

12.2019, Cologne, Germany