CURRICULUM VITAE

LAST UPDATED AUGUST 2018

PERSONAL INFORMATION

NAME	**FIDEL ECHEVARRÍA CORRALES**
DATE OF BIRTH	**NOVEMBER 1ST 1992**
PLACE OF BIRTH	**CÁDIZ, CÁDIZ, SPAIN**
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EDUCATIONAL BACKGROUND

THE ENGLISH CENTRE

Puerto de Santa María
1997 – 2010

PRIMARY AND SECONDARY EDUCATION

Higher secondary school course: Technological branch

ETSIAE UPM

Madrid
2010 – 2015

BSc - AEROSPACE ENGINEERING

Specialized in aerospace vehicles

Key Subjects: Mechanical design, Flight Mechanics, Aerodynamics, Fluid Mechanics, Thermodynamics, Aerospace Materials, Structures, Electronics, Project Management, Aerospace Propulsion

Final Thesis: "Design of a Flight Control System Optimization Tool for Aerial Vehicles". Final grade 10/10

UDACITY

Madrid
2018 – 2019

MSc - SELF-DRIVING CAR ENGINEER NANODEGREE

Key Subjects: Deep Learning, Behavioral Cloning, Computer Vision, Sensor Fusion, Localization, Model Predictive Control, Optimal Path Algorithms, System Integration (ROS)

WORK EXPERIENCE

UAV NAVIGATION

Madrid
Since Sept 2015

FLIGHT DYNAMICS ENGINEER

Projects: Development of flight control algorithms and logics. R&D in state estimation techniques (ADAHRS/INS/GNSS). R&D in sensor calibration techniques. Development of aircraft simulators.

LINGUISTIC SKILLS

SPANISH   Native language

ENGLISH   Fluent English (Student at "The English Centre" 1997-2010)

CAE (Certificate in Advanced English, December 2014, CEFR Level C1)

3 months stay in Plymouth, UK (2004). Attendance to "Saint Andrew's School", Plymouth

FRENCH   Intermediate level of French. (selected as second language at "The English Centre" 2003-2010)

DELF A2 Title (CEFR Level A2)

1 month stay in Hérouville, Paris (Summer 2007)

EXPERIENCE

FIELDS   Artificial Intelligence, Computer Vision, Numerical Optimization, Sensor Fusion, Automation and Control, Dynamic System Simulation, Data Analysis, Embedded Software Development, User Interface Design, Graphical/Mechanical Design

PROGRAMMING LANGUAGES   C, C++, Python, MATLAB, Fortran

COURSES   10 hours CATIA V5 Course at ETSIAE UPM (2013)

12 hours MATLAB Course at ETSIAE UPM (2014)

100 hours Advanced CATIA V5 Course at ETSIAE UPM (2015)

OTHER MERITS

ACADEMICAL   XXI "Thales" Mathematics Olympiads (Cádiz, 2005). Awarded as finalist in the province of Cádiz

LICENSES   RPAS Pilot Certification (ATO 238, 2017)

Car-driving license