

MATTIA GIURATO

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EDUCATION

POLITECNICO DI MILANO

M.Sc. Degree Student in Automation and Control Engineering (Oct.2013 – Dec.2015)
B.Sc. Degree in Automation and Control Engineering (Sep.2010 – Oct.2013)

ATHENS PROGRAMME

Czech Technical University (CTU) Prague – “Physics of extreme systems” (1 week, Nov. 2015)
KATHOLIEKE UNIVERSITET (KU) LEUVEN – “Electric Vehicles: the bigger picture” (1 week, Mar. 2015)
Czech Technical University (CTU) Prague – “Metrology of electrical quantities” (1 week, Nov. 2014)

MATHWORKS TRAINING CENTER - TURIN

“Simulink for System and Algorithm Modelling” (1 week, Mar. 2014)

WORK EXPERIENCE

POLITECNICO DI MILANO

Research assistant in design, identification and control of multirotor UAV. (Mar. 2016 – Present)

SKYWARD EXPERIMENTAL ROCKETRY – STUDENT ASSOCIATION IN AEROSPACE FIELD

Responsible of Rocket Control Team, Council Member (July 2013 – Dec.2015)

- Coordination of human resources
- Team organization
- Team education and training
- Public relations

THE MATHWORKS

Main organizer and speaker of “Aerospace Systems, Guidance and Control” course (Apr. 2014 – Jun. 2014)

- Applying theoretical notions of Flight Dynamics and Fundamental of Control, also with the support of development environment supplied by The MathWorks (MATLAB and Simulink) we have taught to program the low cost electronic platform Arduino, in way to control an automated BLIMP.

TECHNICAL SKILLS

- Proficient user of Matlab and Simulink;
- Good ability with CAD software such as Catia, SolidWorks, Eagle;
- Good knowledge of programming languages such as C/C++ and Processing;
- Optimal knowledge about MS Windows, Linux, Mac OSx and also MS Office and LyX text editor;
- Optimal ability in metal machinery and handcrafting;
- Optimal competence in developing of handmade electronic boards

PERSONAL SKILLS

- COMUNICATION & SOCIAL SKILLS: Knowledge of two language (Italian: Mother tongue, English: Fluent); Good attitude with public speaking (several public talk about our jobs in Skyward and Speaker at the event MATLAB EXPO 2014); Optimal capacity to interact with people of different background and several geographical realities (reached managing a multicultural team and studying abroad during the Athens Programme courses) .
- ORGANIZATIONAL SKILLS: Leadership, team managing and scheduling, long-term strategy planning (All acquired during the working experience in Skyward Experimental Rocketry).

INTERESTS & HOBBIES

For years, I have developed a passion about RC Models (planes, helicopters, drones, etc.). Thanks to this passion I have learnt how to fly them and first of all how to make them, and I have also improved my capabilities with handcrafting.

After years spent hands-on with a lot of practical projects I gained determination and patience.

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