

Andrea Facchinetti Forlani

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Date of birth: 01/09/1992

Personal Statement

I am a responsible and open-minded new graduate, and my attitude is to accomplish targets in the best way and with the best results. I am an active player in team-work and in my work experiences I am always willing to develop qualifications and skills, both professional and personal.

Work experiences

Present – **Junior Advisor, Ernst & Young, Milan, Italy**
04/2017

I am working on the implementation of the "Industria 4.0" National Plan for the innovation of Italian's companies, an activity which needs both analytical skills for the elaboration of data and the ability to recognize innovative investments. This is an activity of the EY's advisory area focused on Business Performance Improvement.

02/2017 – **Traineeship for master's thesis project, OCEM Airfield Technology, Crespellano (BO), Italy**
09/2016

I have participated in activities of the R&D and Bid & Proposal units of the company, collecting material for the master's thesis and elaborating airfield lighting systems proposals and products' datasheets. OCEM is an airfield lighting manufacturer with a worldwide presence.

International experience

06/2016 - **Erasmus Scholarship, Technical University of Madrid (UPM), Madrid, Spain**
02/2016

Curriculum: Master's in Air Transport Systems

Courses attended: Airport management and operations, Trajectories management, Risk management in trajectories, Environmental impact of air transport, Airport systems

Education

03/2017 – **Master's degree in Aeronautical Engineering, "Sapienza" University of Rome, Italy**
09/2014

Curriculum: Flight Systems and Air Transport

Final degree mark: **110/110 (First class)**

Thesis title: Airfield Lighting Fixtures and Night Vision Goggles Compatibility Analysis

Thesis abstract: The aim of the work is to evaluate the compatibility between the energy emitted by LED airfield lighting fixtures located in an airport scenario with the sensitivity and performances of a Night Vision Goggle.

2016 – **"Gaetano Marzotto" Business Course, "Lamaro Pozzani" College, Rome**
2011

Final mark: **Excellent**

Acquired competence: General knowledge in Business Management, Innovative thinking, Corporate Social Responsibility, UE law, Accounting, Marketing, Patents, Business Organization, Labour Law.

2014 – **Bachelor's degree in Aerospace Engineering, "Sapienza" University of Rome**
2011

Final degree mark: **110/110 (First class)**

Thesis title: Performance analysis of a ski-jump

Thesis abstract: The aim of the work is to calculate, through the calculus of variations, a ski-jump profile which minimizes the normal acceleration in different types of take-offs from an aircraft carrier.

2011 – **Scientific certificate, Secondary School, “Antonio Locatelli” Aeronautical School, Bergamo (BG)**

2006

School-leaving mark: **100/100 (First class)**

Main courses: Air navigation, Air regulation, Meteorology, Flight simulator

Scholarship

2016 - 2014 **“Lamaro Pozzani” College Scholarship, “Cavalieri del Lavoro” National Federation, Rome**
2013 - 2011

The "Lamaro Pozzani" College offers, through a selection process, a scholarship to students who have demonstrated their passion and ability in studies. It gives the opportunity to attend university in Rome, it provides English, Economics and Law courses, cultural conferences and the opportunity to live together with 70 students, so an environment based on social relationships and cultural growth.

Competitions

05/2015 – **“Airbus Fly Your Ideas 2015” Competition, Promoted by Airbus**
12/2014

Description: I was a member of “SASA” team, one of the 100 teams of the world selected for the competition. We developed the “AURES” device to avoid barotrauma during the descending phase of a flight.

Acquired skills: Team-work and problem solving ability.

Extra-curricular activities

02/2011- **Scholar Internship, ENAV and “Il Caravaggio” Airport, Orio Al Serio (BG), Italy**
02/2011

Activity: Opportunity to understand airport and take-off / landing operations and interact with services provided by the air traffic control tower.

Acquired skills: Knowledge of airport operations and services provided by air traffic control tower.

07/2011- **Voluntary as staff member of summer camps, “S. Maria Assunta” Oratory, Calcinate (BG), Italy**
06/2006

Activity: Voluntary activity, I organized recreational activities for children.

Acquired skills: Ability to communicate and to be responsible for children.

Language skills

- **Italian:** Mother tongue
 - **English:** Proficient user (**C1**)
Certification: **IELTS**, Overall Band Score **7.5**, IDP IELTS Australia, 05 Nov 2016.
 - **Spanish:** upper intermediate/proficient user (**B2/C1**)
Certification: **DELE** (Diplomas de Español como Lengua Extranjera), Upper Intermediate Level (**B2**), Instituto Cervantes, 22 Feb 2011.
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IT skills

Languages/Packages: Matlab, Fortran, Nastran, Patran, Mathematica, AutoCAD, JSBSim, DiaLux, Microsoft Office, LaTeX

Certification: **ECDL** (European Computer Driving Licence), 2011

Other information

- Staff member of the “World ATM Congress 2016” as “Student Ambassador” of the “Technical University of Madrid”, March 8-10, 2016, Madrid. I had the possibility to be member of the Welcome Staff of the event and to attend to the exclusive conferences of the congress.
- I explained the poster “Compatibility Analysis between AGL Systems and Night Vision Goggles” during the Poster Session of the “Fotonica 2017” conference organized by AEIT, Padova, Italy, March 3, 2017
- I am registered on aeronautical newsletters (*Aviation Week, Air Transport World, Airports International*) because I think that is very important to be up to date in the aviation field.
- Football player as goalkeeper in amateur sports clubs until 2011 and in the futsal team of “Lamaro Pozzani” college.
- In my free time I like to spend time with friends and travel, but also playing football, volleyball and running.

I hereby authorize the processing of the personal data contained in this CV in compliance with the Italian Personal Data Protection Code (Legislative Decree no. 196 of 30 June 2003).