

Antoine Filhol

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**Mechanical Engineer INSA
Toulouse – specialty
aeronautical ISAE-Supaero
– 1 year of experience**



Object : Job application

Education and training

- 2015-2016** Student exchange at **ISAE Supaero**, in structure and materials field and autonomous system domain (specialty Drones)
- 2015** **ITBA** (Technological Institute of Buenos Aires), student exchange in partnership with INSA.
- 2013-2016** **INSA** (National Institute of Applied Sciences) Toulouse, France, mechanical engineering degree.



Professional experiences

- 2017** **Back office engineer Sogeti High-Tech:** Subcontractor of Airbus' engine mount team:
- Focal point Repair: daily answer support for airlines - repair instructions, static, fatigue and damage tolerance justifications.
- Back office engineer: Technical documents review – Calculations in F&DT to study the impact of a new range of mission on A350 – Fatigue spectrum study - Test follow up for A320Neo – Call participation – Daily answer support for airlines or production (repair, concession). (Reference: aurelie.cordelle@sogeti.com).
- 2016** **Final internship at Airbus St Eloi:** Global study on engine mounts of Airbus' aircrafts in static, fatigue and damage tolerance conditions. Optimization calculation of the A380 Engine Alliance engine mount with Isight software. In-flight incident study (Reference: enrico.cardin@airbus.com; jean-philippe.agede@airbus.com).
- 2015** **Internship in ISAE Supaero's laboratory:** Sizing of the wheel axis of the Roll&Fly drone, which is able to fly and roll, in order to place strain sensors. (Ref: francois.defay@isae-supaero.fr)
- 2015** **Project of structure's sizing:** Sizing, calculation, price estimation and manufacturing process of the wing's structure of the Off-shore's wind turbine inspection drone of the start-up Sterblue.



Volunteering experiences

- 2017** **Humanitarian project in Myanmar:** Youth Empowerment Project with AIESEC organization.
- 2014** **Humanitarian project in India:** Renovation of an orphanage and care for orphans with Indiction.



Personal skills

Languages

- English, advanced (TOEIC january 2015)
- Spanish, advanced
- Arabic, beginner

Communication skills

- Good communication and teamwork skills strengthened through projects, training periods and travels (India, Argentina, Myanmar...).

I.T. skills

- Computer algebra: **Matlab**
- Microsoft Office tools
- Mechanical design software **CATIA V5**, Solidworks
- Software suite for finite element analysis and computer-aided engineering **Abaqus** and **Patran-Nastran**
- Software of optimization calculation : **Isight**
- Static and FDT calculations : **ISAMI**

Additional information

Sport

Hand-ball
Sail (offshore sailing and dinghy)
Rowing

Culture

Music: Playing guitar and bass
Discovering other cultures (Europe, North America, South America, Mediterranean, India, Myanmar)
Photography

Rewards & distinction

« 48H innovation maker »,
Jury's favorite prize