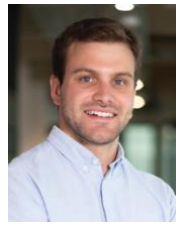


# ALEXANDRE QUINTART SPACE EQUIPMENT ENGINEER

27 Av des Ajoncs, 1150 Brussels, BELGIUM | +32470051328 | alexandre.quintart@gmail.com



## Education

- **2020 – 2021 | Advanced Master in Aeronautical Engineering**  
ISAE-SUPAERO (France)  
Major in Flight Test Engineering | Courses: Propulsion, Human factors, Aircraft Structures, Aerodynamics
- **2020 | Continuing studies in Artificial Intelligence and deep learning**  
Stanford University (Palo Alto, CA, USA)
- **2017 – 2019 | Master in Mechanical Engineering**  
Université Catholique de Louvain (UCLouvain) (Belgium)  
Option in aeronautics | Courses: Aerospace dynamics, Numerical analysis of structures  
Option in energy | Courses: Quality management, Nuclear engineering and reactors  
Final year thesis: Numerical simulation and study of Unmanned Aerial Vehicle - wake encounters
- **2014 – 2018 | Bachelor in Engineering**  
Université Catholique de Louvain (Belgium)  
Major: Mechanics | Courses: Fluid mechanics, Thermodynamics, Finite elements  
Minor: Construction | Courses: Structural mechanics, Solids mechanics, Hydraulic
- **2016 | First Aid License**  
Red Cross Rescuer Certificate
- **2015 | Youth Movement Leadership Certificate**  
Certificate of the “Communauté Française de Belgique”

## Professional Experience and Extra-curricular Activities

- **2020 – present | NASA Ames Research Center Subcontractor:** Part-time developing an automated recession and shock tracking from videos of ground-based atmospheric entry simulations for NASA Ames Research Center as a subcontractor.
- **2021 – 2022 | Safran Aero Booster, Liege (Belgium):** Space equipment engineer. Developing the isolation valve for the European Space Agency launchers.
- **2019 – 2020 | NASA Ames Research Center, Mountain View (CA, USA):** Researcher at NASA Advanced Supercomputing Division (NAS) in charge of the Design, Analysis, and Optimization of Thermal Protection Materials software for atmospheric entry.
- **2017 – 2020 | Member of student societies:** 2020: Supaero Space Section | 2018-2019: Human Rights, helping people in precarious conditions | 2017-2018: Promoting mountaineering sports to students (ski touring, climbing, alpinism)
- **2017 – 2018 | Led a social project “Ingénieux Sud” sponsored by UCLouvain:** Member of a team of three engineers to design, build a low cost agri-food machine and train users in Rwanda.
- **2016 – 2019 | Rescuer volunteer at the Red Cross:** Participating at national and international events (FIFA football matches and concerts). Leader of a team of five rescuers as second in command.
- **2015 – 2016 | Launched a startup company** with a friend, in partnership with the MIC (Microsoft Innovation Center), developing a business on the automation of after movies for travel agencies.
- **2015 | Himalaya ascent:** At 18 years old, led and fully organized a summit ascension in Indian Himalaya.
- **2013 – 2018 | Boy Scout troop Leader and Group Leader.**

## Skills and Interests

- **Language skills:** French (native), English (advanced user), Dutch (basic user).
- **Computer skills:** **Software:** Advanced user of Office package, Matlab, CATIA, SolidWorks, Actran, Adobe Photoshop, Adobe Illustrator, Pointwise | **Programming languages:** Java, C++, Python, Oz.
- **Sport:** Climbing, Backcountry Ski, Alpinism, Running, Gliding, Paragliding, Private Pilot License student.
- **Other interests:** Beekeeping, Gardening, Parachute jump, Travelling and Trekking.

**Additional information:** Lived and educated also in Switzerland, Portugal and France.