

# GOFFART NICOLAS

Born on 05/04/1996 (26 years old), in Charleroi, Belgium  
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## Work Experience

01/2021 - **PhD Student in CFD Development** Cadence Design Systems (Brussels)



› Early Stage Researcher position in the framework of the Marie Skłodowska-Curie H2020 project TEAMAero. Participation in the development of a high-order CFD solver, generation of a high-fidelity database on the turbulence in forced shock-induced separated flows and development of a reduced-order model using the high-fidelity database.

2020 (6 months) **Final Year Internship** Ascendance Flight Technologies (Toulouse)



› Participation in the aerodynamic studies of a VTOL (Vertical Take-Off and Landing) prototype: performance of RANS (OpenFOAM) and LBM (Palabos) simulations, management of simulations with cloud computing, development of post-processing tools, development of a surrogate model (Kriging) based on CFD results and iterations over experimental test results

## Education

2018 - 2020 **Engineering degree ISAE-SUPAERO** ISAE-SUPAERO (France)



› Double degree as part of a TIME (Top International Managers in Engineering) program  
› Option Fluid Dynamics / Aircraft Design and Operation

2017 - 2020 **Master's in Mechanical Engineering, Specialist Focus on Energy Engineering** Faculty of Engineering of Mons (Belgium)



› Specialization in fluid dynamics, thermics and thermodynamics  
› Graduated with the highest distinction

2014 - 2017 **Bachelor's in Engineering, Mechanical Engineering option** Faculty of Engineering of Mons (Belgium)



› Graduated with the highest distinction

## Skills

### Languages

- › French: native language
- › English: C1 (IELTS in 2017)
- › Dutch: school knowledge
- › German: school knowledge

### Software/Programming

- › C, C++, Java, Python, MySQL
- › Cloud computing
- › SolidWorks (CSWA Certificate)
- › Excel (VBA), Word, LaTeX

### Hobbies

- › Badminton
- › Chess (competition)