

# Martin ACCOU

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French - 22 years old - driving license



## Engineering student, major in Data Science

### Education

- 2020-2024 **Master of Science, ISAE-SUPAERO (top 5 eng. school)**, Toulouse, France.
- 1<sup>st</sup> and 2<sup>nd</sup> year: general engineering courses in mechanics, thermodynamics, applied mathematics, physics and computer science.
  - 3<sup>rd</sup> year: major in data science and big data applications.
- 2022 **Semester Erasmus+**, *Politecnico di Milano (top 3 eng. school)*, Milan, Italy.
- Courses: hypermedia applications, space physics, aeroacoustics, multibody system dynamics, combustion in thermochemical propulsion.
- 2018-2020 **Preparatory classes, Lycée Sainte-Geneviève (top 3 school)**, Versailles, France.
- MPSI/MP: two-year undergraduate intensive course in mathematics and physics.
- 2018 **Baccalauréat with major in science, Lycée La Malassise**, Longuenesse, France.

### Work experience

- 2023, 6 months **Data science engineer, Reuniwatt**, Saint-Pierre, France.
- Post-process day-ahead irradiance forecasts: benchmark several promising models for time series (Kalman filter, GBM, RF, SVR, MLP, N-BEATS).
  - Introduction to the issues relative to production and Machine Learning Operations.
- 2022, 6 months **Digital simulation engineer, DGA Technique aéronautiques**, Balma, France.
- Study of parachutes during a cargo dropping.
  - Learn new skills in digital simulation by working on LS-DYNA.
- 2021, 2 months **Aeronautical maintenance technician, 9<sup>ème</sup> régiment de soutien aéromobile de l'armée de Terre**, Montauban, France.
- Discovery of the status of worker and the environment of Defence.
  - Direct handle of army helicopters (EC665 Tigre and AS532 Cougar).
  - Introduction to safety regulations and aeronautical certification.
- 2019 and 2020 **Summer jobs, Centre hospitalier région de Saint-Omer, Helfaut**, France.
- Work in catering : dishwashing and preparation of the meal trays.
  - Stretcher-bearer within the hospital.

### Skills

- Programming C, C++, Java, Python, MATLAB, HTML/CSS, JavaScript, Nuxt.js,  $\text{\LaTeX}$ .
- Softwares Office, CATIA, Patran, Nastran, Adams, LS-DYNA, MBDyn, SU2.
- Languages French (native), English (C1, TOEFL iBT : 102/120), Spanish (B1), Italian (A2).
- Soft skills Autonomous, thorough, open-minded, enterprising.

### Interests

- Hobbies Travelling, geopolitics, aerospace.
- Sports Trail-running (ultramarathon), cycling, soccer (10 years in club).
- Associative Creator of the RAID trails and race chief for 2 years. The RAID ISAE is an event including mountain bike, trail-running and canoe with more than 500 competitors.