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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.
	○ 1st and 2nd year: general engineering courses in computer science, thermodynamics, applied mathematics, physics and mechanics.
	○ 3rd 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**, $9^{\text{ème}}$ *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, LaTeX.
Data tools	Pandas, Scikit-learn, PyTorch, TensorFlow, SQL, Spark, Docker, Kubernetes.
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, Kaggle competitions.
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.