Marouane FELLOUSSI

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EDUCATION

LIMOS Research Laboratory — October 2023 - Present
PhD in Operations Research (supervis. *Xavier Delorme* & *Paolo Gianessi*) — Saint-Étienne, France

French Civil Aviation University — 2019 - 2022
MSc in Aeronautical Engineering — Toulouse, France

Paul Sabatier University — Fall 2022
Joint degree in Operations Research — Toulouse, France

WORK EXPERIENCE

Capgemini Engineering R&D — October 2022 - September 2023
Scientific Software Engineer — Toulouse, France
- Development of a centralized optimization software for water production plants

Capgemini Engineering R&D — March 2022 - August 2022
Research intern (supervis. *Isabelle Mirouze* & *Sonia Cafieri*) — Toulouse, France
- MIP for Water Production Scheduling

Labo Aéro - ENAC — Fall 2020 & Summer 2021
Research intern (supervis. *Thierry Klein* & *Nicolas Peteilh*) — Toulouse, France
- Global Sensitivity Analysis for optimized aircraft design

SKILLS

Technical Skills	Julia, Python, C++, GAMS/AMPL, ML-tools Git, Linux
Soft Skills	Curious and analytical mindset Autonomy, dedication, competitiveness
Languages	Bilingual Proficiency : Arabic, English, French

RESEARCH INTERESTS

Research	mixed integer programming, column generation, cutting planes ML for discrete optimization
Applications	scheduling and production planning problems