

MAROUANE FELLOUSSI

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EDUCATION

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| LIMOS Research Laboratory PhD in Operations Research (supervis. <i>Xavier Delorme & Paolo Gianessi</i>) | October 2023 - Present Saint-Étienne, France |
| Zuse Institute Berlin Guest Researcher/Doctoral Student at <code>iol-int</code> group | April - September 2025 Berlin, Germany |
| Paul Sabatier University Operations Research | Fall 2022 Toulouse, France |
| French Civil Aviation University MSc in Aeronautical Engineering | 2019 - 2022 Toulouse, France |
| Classes préparatoires, Lycée Kléber (CPGE) Math, Physics (MP*) | 2018-2019 Strasbourg, France |

WORK EXPERIENCE

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| Capgemini Engineering R&D Scientific Software Engineer <ul style="list-style-type: none">Development of a Centralized Optimization Software for Water Production Plants | October 2022 - September 2023 Toulouse, France |
| Capgemini Engineering R&D Research intern (supervis. <i>Isabelle Mirouze & Sonia Cafieri</i>) <ul style="list-style-type: none">MIP for Water Production Scheduling | March 2022 - August 2022 Toulouse, France |
| Labo Aéro - ENAC Research intern (supervis. <i>Thierry Klein & Nicolas Peteilh</i>) <ul style="list-style-type: none">Global Sensitivity Analysis for Aircraft Design | Fall 2020 & Summer 2021 Toulouse, France |

RESEARCH INTERESTS

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| Research | mixed integer programming, column generation, cutting planes machine learning and parallelism for discrete optimization graph theory |
| Applications | scheduling and production planning problems covering and packing problems |

SKILLS

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| Technical Skills | Julia, Python, C++, SCIP Optimization Suite, GAMS, Git, Linux |
| Soft Skills | Curious and analytical mindset Autonomy, dedication, competitiveness |
| Languages | Bilingual Proficiency : Arabic, English, French |