PERSONAL DATA

Last name/ first name
MAHAMAT Moukhtar

Address
Ivry-sur-Seine/Île-de-France

Phone Number
+33 0605582377

Email address
mahamatmoukhtar4@gmail.com

B driver licence

LinkedIn
www.linkedin.com/in/mmoukhtar

SKILLS

- Teamwork
- Matlab/Simulink
- AMESIM
- Python, C++
- Robot Operating System (ROS2)
- Excel, Word, PBI Microsoft
- Good communication

LANGUAGES

- French as a mother tongue
- English fluent
- Chinese basic concept

CERTIFICATES OBTAINED

- **BIA**
- **PSC1**

INTERESTS

- Tennis/Badminton
- Web Development
- Arduino

PROFILE

Master's student in Mechatronics Engineering (Year 4 – IPSA, France), specializing in autonomous aerospace systems

Looking for 4-month assistant engineer internship starting June 2025 (in aeronautics, robotics, automotive or industry 4.0.)

EDUCATION

SHENYANG AEROSPACE UNIVERSITY
Sept.2024 – feb.2025

International Exchange (China)
Modules taken: Electrical Engineering System, Satellite Navigation, Aircraft Design, Aerospace Materials.

IPSA: FRENCH SCHOOL OF AIR AND SPACE ENGINEERING
2021 – present

In the engineering cycle (AEROSPACE ENGINEERING DIPLOMA)
Major: Mechatronics and Autonomous Aeronautics System
Preparatory class for the grandes écoles.
Programs: PT-PTSI: Physics, Technology, Engineering Sciences.

IBNOU-CINA HIGH SCHOOL
2020

Scientific baccalaureate with honors

ASSOCIATIVE AND PROFESSIONAL EXPERIENCE

IPSA FLIGHT
Member
Design and development of a B777-200LR simulator.
I contributed to the electronic integration of the B777-200LR simulator (software and flight controls).

IPSA AIRCRAFT
Member
I worked on the mechanical components and the development of checklists for the assembly of a biplane microlight (Sherwood Ranger ST).

M3A-TECH
Leader
Founder of M3A-Tech at the age of 17, a company dedicated to the design of computer systems and digital solutions. We support small companies by providing them with web services and adapted digital tools.

SOME SIGNIFICANT ACADEMIC PROJECTS

MATLAB/Simulink Project: Dynamic Modeling, Simulation, and Control of a micro-drone quadrirotor

Mobile robotics under ROS2: Design and programming of a robot that follows Line. Integration of sensors, actuators and trajectory following algorithms.

Modeling and simulation with AMESIM: Dynamic analysis of a hydraulic system (braking circuit), component modeling and transient behaviour study.

FPGA programming (Quartus/VHDL): Synchronous sequential circuit modeling and time simulation. Bench test file generation and validation on FPGA programmable logic circuit.