

# BENOIT FAURE

Engineering student specializing in Artificial Intelligence, currently pursuing a double degree from UQAC and IMT Mines Alès.

## Contact

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🌐 [benoitfaureimt.github.io](https://benoitfaureimt.github.io)

🌐 /benoit-faure

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## Soft Skills

- **Avid Learner**
- **Autonomous**
- **Team Work**  
Communication, Leadership
- **Problem Solving**

## Technical Skills

- **Programming**  
Python, Java, Matlab, C#...
- **Algorithmic**
- **Machine learning**
- **Computer Vision, Image Processing**
- **Computer Networks**
- **Research Methodology**
- **Tools**  
UNIX, Windows, Git, Unity, Tensorflow/PyTorch...

## Languages

- **French** - *fluent*
- **English** - *fluent*

## Hobbies

- **Sports**  
Bodybuilding, Powerlifting, Swimming
- **Computer Science**  
Artificial Intelligence, new Technologies
- **Travel and Discovery**  
Grew up in France, China and Saudi Arabia

## Experiences

August 2023

### R&D Intern - AREAS.ai

Knee IRM segmentation with Deep Neural Networks, Camera calibration for SLAM and prototyping with 3D printing

May 2023

August 2022

### Student Researcher - Internship - IMT CERIS Laboratory

5 weeks spent solely on a fisheye tracking project .

#Tensorflow #PyTorch #Python #RCNN

July 2022

### Mission Advisor - Tiny Fungi

Market research, social media study, suppliers...

June 2022

### Student Researcher - CERIS Laboratory (Extracurricular)

Fisheye tracking project with SORT and YOLO inspired algorithms.

## Publications

### FORT: Fisheye Online Realtime Tracking with an Improved Kalman Filter.

Odic, N., Faure, B. and Magnier, B., IEEE, 2023

### Performance of recent tiny/small yolo versions in the context of top-view fisheye images.

Faure, B., Odic, N., Haggui, O. and Magnier, B., Springer IP, 2022

## Education

Present

### UQAC - Master's Degree

MSc. in Computer Science and Artificial Intelligence

### IMT Mines Ales - Engineering education

MSc. in Computer Science and Artificial Intelligence

Generalist engineering degree

June 2021

### Lycée La Martinière Monplaisir - MPSI and MP

Conceptual Mathematics, Physics and Computer Science

September 2019

### High School in Saudi Arabia (3 years)

International Baccalaureate (IBO) and US SAT

September 2016

### Middle School in China (6 years)

Dulwich college Shanghai