# LEI MIAO
## Young Graduate in Signal Processing

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🔗 github, linkedin

**Nationality**
Chinese

**Skills**
python

Matlab

PyQt5

OpenCV

OpenGL

C/C++

Conception et débug de circuits

**Languages**
Chinois

Anglais

Français

**Hobbies**

1. Swimming
2. Science fiction
3. Foodie, who organized a dumpling party with more than 30 American students in university

website: meaolei.win

## Profile

I am a proactive and ambitious graduate with a solid background in signal processing. My last internship in a French company allowed me to deepen my knowledge in embedded software development. I am currently looking for an opportunity to use my multilingual/multicultural experience and my technical skills in a challenging environment.

## Employment History

**Embedded software development intern, Serma, Paris**
March 2020 — September 2020

- Drafted software specifications with the BMS team
- Developed a fast and practical 'Car Monitor' tool, based on Raspberry Pi in python, to display CAN messages from vehicle. Also added function of animated trace.

**R&D intern, Nanjing Hurys Technology Company, Nanjing, China**
June 2019 — August 2019

- Applied pulse compression, FFT and DBF on the radar signal to determine accuracy and performance by cutting out the fuzzy function
- Improved accuracy of angular resolution, optimization of the MIMO system on VEHICLE RADAR.

**Aircraft audio processing project, Capgemini, Toulouse**
January 2020 — March 2020

- Compared similar parts of two spectrograms of the left and right channels in blackbox by using the image characteristic matching method
- Calculated with precision the phase difference. And evaluated the advantages and disadvantages of different algorithms by a benchmark that our team has created.

## Education

**Inp-ENSEEIHT, Toulouse, France**
Sep 2018 - Oct 2020: Engineer's degree in signal and image processing

**Nanjing University of Aeronautical and Aerospace,  Nanjing, China**
Sep, 2014 - Jul,2018: Bachelor in Electronic Information Engineering

## Extra-curricular activities

**Vice Minister, Outreach Department, at Association AeroSpatiale Franco-Chinoise**
December 2018 — Present