

MENGLING ZHAN



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📍 Nanjing University of Science and Technology, JiangSu Province

Participating in the **Double Master Degree Program** of Nanjing University of Science and Technology and IMT in France from 2017. The first two years of the program takes place in France and the final dissertation will be in NUST, China. I will return back to China at the beginning of September, 2019.

My job orientation : Image processing Engineering, Product manager.

COMPETENCES

Programming C++ , Python, Matlab, IDL, Javascript, HTML5, CSS, JQuery, JSON, Node.js
Machine Learning Neural Networks, CNN, TensorFlow
Operation System Mac OS X, Windows, Linux Ubuntu
Tools Microsoft Office, Latex

EDUCATION

2017-2020 **Nanjing University of Science and Technology, China**
Master of Optical engineering (Image processing)
2017-2019 **IMT Mines Alès, France**
Engineer of Communication and Information Technology
2013-2017 **Nanjing University of Science and Technology, China**
Bachelor of Optical and Electronic engineering
2015-2016 **Karlstad University, Sweden**
Exchange student

INTERNSHIP EXPERIENCES

2019.08 | **Image processing system for the gas leak detection with an infrared remote camera , CNIM,BERTIN TECHNOLOGIES, France**
2019.03 |
 > Transfer the radiometric image processing simulation system from IDL to C++
 > Program for the final part of supervision
 > Add the part the a certain different case in radiometric system
 > Research and simulate for the different situation of gas leakage
 IDL C++ Visual Studio 2012 IPP SVN
2018.08 | **Web design for a feedback system of an NGO, IMT MINES ALÈS, France**
2018.05 |
 > Design and develop a surface for data entering system
 > Create the project level evaluation system
 > Create the server environment and the data base
 HTML5 Javascript CSS JSON JQuery Node.js, Ajax

GROUP PROJECTS

- 2019.02 | **Image processing with CNN, IMT MINES ALÈS, France**
- 2019.01 | Image identification for the written letters with CNN
- › Understand the principles of CNN
 - › Simulation tests with the database MNIST
 - › Adjust the parameters in the process to see the changes
- Python CNN TensorFlow
- 2018.04 | **Real time automatic image capturing system with a drone , IMT MINES ALÈS, France**
- 2018.01 | Capture the images with the dual cameras of drone to maintain the straight flight
- › Real time image capturing between the computer and the drone
 - › Image processing for the video (Edge detection, Image filtering, etc)
 - › Modification for the algorithm to control the flight direction
- C++ MakeFile Opencv

LANGUAGES

English FLUENT•IELTS 6.5, TOEIC 865

French FLUENT• DALF C1

ACTIVITIES

- 2014-2016 **Nanjing TBL Leadership Forum**
Volunteer and in charge of the issues for NUST
- 2014 **Nanjing Youth Olympic Games**
Volunteer in the Olympic Stadium
- 2014-2015 **Young Volunteers Association in Qianxuesen College in NUST**
President, started the longterm cooperation with Nanjing Olympic Museum
- 2013-2015 **Enactus, NUST**
Protecting the Nanjing cultural heritage "Baiju"

SELF EVALUATION

- › like exploring and trying different things
- › team work spirit
- › strong ability of learning and strong responsibility

INTERESTS

- › Travelling and Photography
- › Cooking
- › Intercultural communication

LINKS

- › CV(chinese version)  <https://github.com/Zhanmengling/myCVLatex/upload>
- › LinkedIn  <https://www.linkedin.com/in/梦灵-展-147124131/>