

# Jingnan JIA (贾京南)

Tel : (+86)18702907883 E-mail : jiajingnan2222@gmail.com Website :jingnan-jia.github.io

## Education

---

2019–Now	<b>Leiden University</b> , Leiden, the Netherlands. <i>Ph.D in Deep Learning Based Medical Image Analysis</i>	
2016–2019	<b>Xidian University</b> , Xi'an, China. <i>M.Sc. in Electromagnetic Field and Wave</i>	IELTS:7   Grade: 85.66
2011–2015	<b>Taiyuan University of Technology</b> , Taiyuan, China <i>B.Eng. in Applied Physics</i>	GPA: 3.45

## Publications

- 
- **Jia, J.**, Staring, M., Hernández-Girón, I., Kroft, L. J., Schouffoer, A. A., & Stoel, B. C. (2022, April). Prediction of lung CT scores of systemic sclerosis by cascaded regression neural networks. In *Medical Imaging 2022: Computer-Aided Diagnosis* (Vol. 12033, pp. 837-843). SPIE.
  - **Jia, J.**, Zhai, Z., Bakker, M. E., Hernández-Girón, I., Staring, M., & Stoel, B. C. (2021, April). Multi-task Semi-supervised Learning for Pulmonary Lobe Segmentation. In *2021 IEEE 18th International Symposium on Biomedical Imaging (ISBI)* (pp. 1329-1332). IEEE.
  - Wang, Y., Lan, W., Li, N., Lan, Z., Li, Z., **Jia, J.**, & Zhu, F. (2019). Stability of nonfullerene organic solar cells: from built - in potential and interfacial passivation perspectives. *Advanced Energy Materials*, 9(19), 1900157.
  - Wen, J., Jiao, Y. C., Zhang, Y. X., & **Jia, J.** (2019). Wideband circularly polarized dielectric resonator antenna loaded with *partially* reflective surface. *International Journal of RF and Microwave Computer - Aided Engineering*, 29(12), e21962.
  - **Jia, J.**, YC, J. A UWB MIMO Antenna with High Isolation. *NCMMW*, 2018

## Achievements/Honors

---

2021	Reviwer of journal Medical Image Analysis
2021	Best Student Paper Award finalist in 2022 SPIE: Medical Imaging
2018	Second-level Scholarship in postgraduate school
2015	Outstanding graduate in undergraduate university
2014	National Bronze Medal, National College Student Business Plan Competition (The only 1 in my university)
2013	Academic Scholarship, awarded to annual top 3 students of the college
2012	Science & Technology Scholarship, awarded to students who are pretty innovative
2011	Excellent Student Leader, Best University Debater

## Experiences

---

<b>Part-time research assistant</b>	2018
Under the supervision of Prof. Wang Yi (National "Thousand People Plan" Specially-invited Expert), we conducted research on adverbisial and poisoning attacks against deep learning models which are pretty crutial and challenging problems in data privacy & security.	

### Participants in different competitions/challenges

- Pulmonary artery segmentation challenge 2022
- Covid-19 Lung CT lesion segmentatin challenge 2020
- Other kaggle challenges Before 2019

During these competitions I became more familiar with different machine learning algorithms, data processing, feature extraction and visualization techniques.

### English oral interpreter (volunteer)

2019

In the 'One Belt and One Road' international conference organized by the Xi'an government, I was the interpreter for the president of Cairo University, Egypt.

**Team leader** of the Innovation Competition at Taiyuan University of Technology. The team developed a smart-home-system based on a single-chip.

### President of the College Association for the Science & Technology

2012

Organized academic activities including mathematical contests and academic forums, etc. Founded and designed the departmental website, responsible for the website maintainance and updates.

## Skills

---

- Programming languages: Python, MATLAB, Bash, and C.
- Deep learning tools: Pytorch, Keras and TensorFlow.
- Third-party python packages: MLFlow, MONAI, SimpleITK, Lightning, Ignite, TorchIO, etc.
- Other tools: Linux, Vim, Latex, Git, Jekyll, Sphinx, Docker,.
- Language: Mandarin (native) and English.

## Other activities

---

- Developed and maintained an open source package: **seg-metrics** for 2D/3D medical image segmentation metrics calculation, including precision, dice, hausdorff distance, etc. Downloads per months: 500 times.
- Developed and maintained my personal website: <https://jingnan-jia.github.io>. More of my information could be found there.
- Oral presentation in ISBI2021 and SPIE2022
- Student member of IEEE, SPIE and ISBI.