

# JIAXU (JACOB) ZHANG

Sun Yat-sen University ◇ Shenzhen, GZ 518107  
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## EDUCATION

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- **Sun Yat-sen University – Shenzhen, GZ 985 QS 311th** *Sep 2023 – Jun 2026*  
Major: Information and Communication Engineering  
GPA: 3.42/4.00
- **China Academy of Railway Sciences – Chaoyang, BJ** *Jan 2024 – Dec 2024*  
Visiting Student
- **Northeast Forestry University – Harbin, HLJ 211** *Sep 2019 – Jun 2023*  
Major: Information and Computational Sciences (Computational Mathematics)  
GPA: 4.26/5.00 Avg score: 94.57/100.00 Ranking: 3rd/58

## HONORS AND AWARDS

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- **China National Scholarship for Postgraduates (SYSU)** *Jan 2025*
- **China National Scholarship for Undergraduates (NEFU)** *Jan 2022*
- **Outstanding Graduates (NEFU)** *Jun 2023*
- **National Second Class Award – CUMCM (NEFU)** *Oct 2022*
- **Finalist Award – MCM/ICM (NEFU)** *Apr 2022*

## SELECTED PUBLICATIONS (\* INDICATES STUDENT AUTHOR)

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- **Rail Surface Defect Detection Through Bimodal RSDINet and Three-Branched Evidential Fusion.** *Mar 2023*  
Jiaxu Zhang\*, Jiong Zhang\*, Jiejun Chen\*, Shengchun Wang, Liang Wang.  
*IEEE Transactions on Instrumentation and Measurement* (2023) 72.  
<https://doi.org/10.1109/TIM.2023.3253895>
- **Deep Evidential Remote Sensing Landslide Image Classification With a New Divergence, Multiscale Saliency and an Improved Three-Branched Fusion.** *Jan 2024*  
Jiaxu Zhang\*, Qi Cui\*, Xiaojian Ma.  
*IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing* (2024) 17.  
<https://doi.org/10.1109/JSTARS.2024.3354455>
- **Robust Rail-Track Section Identification With Multiple Structured Light Sensors and Kernel-Based Belief Sensor-Credibility Evaluation.** *Mar 2024*  
Jiaxu Zhang\*, Shengchun Wang, Kunzhen Liu\*, Liang Wang.  
*IEEE Sensors Journal* (2024) 24 (8).  
<https://doi.org/10.1109/JSEN.2024.3370588>
- **A New “E-E” Paradigm to Construct Multi-BPAs Based Belief Jensen Divergence in the Evidence Theory.** *Jun 2024*  
Jiaxu Zhang\*, Shengchun Wang, Juan Tan, Liang Wang.

*Information Sciences* (2024) 680.  
<https://doi.org/10.1016/j.ins.2024.121153>

- **A Deep Evidence Fusion Framework for Apple Leaf Disease Classification.** *Oct 2024*  
Hang Wang\*, Jiaxu Zhang\*, Zhu Yin\*, Liucheng Huang\*, Jie Wang\*, Xiaojian Ma.  
*Engineering Applications of Artificial Intelligence* (2024) 136.  
<https://doi.org/10.1016/j.engappai.2024.109011>

## **INVITED TALKS**

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- **7th Global Intelligent Industry Conference** *Apr 2024*  
Shenzhen, GZ, China

## **INDUSTRY EXPERIENCE**

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- **AI Algorithm Acceleration Intern** *May 2026 – Aug 2026*  
Hikvision, Hangzhou, ZJ, China
- **Research Assistant** *May 2024 – Aug 2024*  
Hong Kong Polytechnic University-Shenzhen Base, Shenzhen, GZ, China
- **Industrial Machine Vision Intern** *Sept 2023 – Nov 2024*  
China Academy of Railway Sciences Co., Ltd., Chaoyang, BJ, China

## **TEACHING EXPERIENCE**

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### **Teaching Assistant**

- School of Electronics and Communication Engineering, Sun Yat-sen University  
- Spring 2024: *Intelligent Photoelectric Perception & Decision-making*

## **LANGUAGE & SKILLS**

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### **Language**

- English: *IELTS Academic 6.5 (Reading & Writing 7.0, Listening 6.5, Speaking 5.5)*
- Mandarin: *Mother Language*

### **Coding Ability**

- C++: *Skilled in Software Development*
- Python: *Skilled in Pytorch & ONNXRuntime*
- Matlab: *Skilled*
- LaTeX: *Skilled*