

# Yanbo Han

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## Education

### Hainan University

Expected June 2025

*Bachelor of Science in Software Engineering (Joint Program with NIIT, India)*

*Haikou, Hainan*

- **Relevant Coursework:** Data Structures and Algorithms, Introduction to AI, Pattern Recognition, AI and Cloud Computing, Natural Language Processing, Linear Algebra, Probability and Statistics
- **Study Intention:** Pursuing PhD Program or Research Internship

## Research Experience

### Shanghai Artificial Intelligence Laboratory

May 2024 – Now

*Onsite intern at OpenMMLab*

*Shanghai*

- Possessed a thorough understanding of the architecture and training processes of InternLM, xtuner, LMDeploy, and other key models in the field. Actively engage with research by exploring papers from leading AI conferences and journals in the multimodal field and beyond.
- Responsible for constructing and managing foundational knowledge bases in areas such as NLP, VLM, and Deploy under InternLM, serving as the head of the InternLM NLP SIG. Additionally, I manage the backend data uploads for the official website and oversee its daily maintenance.

### HNU SKyan Group

April 2023 – Now

*Junior undergraduate student*

*Haikou, Hainan*

- Proposed the development of a deep neural network model named BiCalBERT for Chinese question-answering within the scientific domain, under the esteemed supervision of Associate Professor Yan. This research has been published and presented orally at the ISMSI2024 conference.
- Actively contributed to repositories containing large language models, focusing on addressing performance issues across various tasks by implementing modifications and innovations.

### NIIT Turing Organization

March 2023 – Now

*HNU Undergraduate AI Team Leader*

*Haikou, Hainan*

- Secured the national and provincial second prizes in the Artificial Intelligence Innovation Track of the CRAIC2023 competition. Concurrently, I worked on an invention patent in natural language processing that has successfully passed the initial evaluation.
- Played a pivotal role in the development of the "GPT Smart Text Detection System Based on RoBERTa-RCNN and Attention Pooling". The software was meticulously reviewed and officially registered by the China Copyright Protection Center.

## Practical Experience

### Open Source Community and Competition | Deep Learning, LLM, Diffusion Mode

- Actively initiated and contributed to open-source projects led by esteemed organizations such as DataWhale and InternLM in diverse AI domains, progressing from contributor to award-winning teaching assistant.
- Amassed extensive experience in competitive arenas focused on artificial intelligence-driven content generation, large language models (LLMs), and deep learning, through platforms like Kaggle and Ali Tianchi. Consistently ranked in the top 25% in multiple competitions.

### Program participant in NPU | Computer Vision, TensorFlow, PyTorch, OpenCV, YOLOv8

- Attended the prestigious 2023 Summer AI MASTER Training Camp at Northwestern Polytechnical University, sponsored by Huawei. Excelled in both theoretical coursework and practical project evaluations, earning an exceptional A+ grade.
- Enhanced my comprehension and acumen in core AI principles under the mentorship of Huawei's elite programmers and educators. Successfully deployed a target detection model on Huawei's cutting-edge Atlas200IDK terminal equipment. Additionally, attained the Huawei Cloud HCCDA-AI Talent Certification.

## Technical Skills

**Languages:** Python, Matlab, SQL, LaTeX

**Technologies:** PyTorch, TensorFlow, Django

**Concepts:** Artificial Intelligence, Deep Learning, Machine Learning, Human-Computer Interaction, Visual Language Model, Computer Vision, Natural Language Processing