

# Yanbo Han

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## Personal Profile

### Self Recommendation:

I understand the basic concepts of Deep Learning, Natural Language Processing and Large Language Models, and am familiar with related technologies and tools, such as pytorch, Huggingface, etc., and can flexibly choose tools for research and development. At the same time, I have scientific research experience and paper publishing experience, and plan to engage in scientific research work for a long time;

While, I also have good English proficiency and project implementation ability, strong sense of responsibility, self-motivation, sufficient interest in related fields, be able to coordinate studies, and invest a certain amount of energy in related fields (28h+ per week).

## Education

### Hainan University

Expected May 2025

*Bachelor of Science in Software Engineering (The average score: 82.77)*

*Haikou, Hainan*

- **Relevant Coursework:** Data Structures and Algorithms (C++), Intro to AI, Linear Algebra, Java Programming, Pattern Recognition (Python), Natural Language Processing
- **Studying Intention:** Research Intern, PhD Student, MPhil student

## Research Experience

### HNU Skyan Group

April 2023 – Now

*Junior undergraduate student*

*Haikou, Hainan*

- \* Following Assoc.Prof.Yan, wrote a paper as the first author in QA domain. The work was substantially sponsored by the research project (Grant No. 62202128) supported by the National Natural Science Foundation of China. This research was substantially sponsored by the grant from Hainan University (Grant No. KYQD(ZR)23125).
- \* Participate in the repo creation of large models. In order to make it easier to make some underlying changes and innovations to achieve better results, we use existing models to solve some task performance issues.
- \* Currently focusing on named entity recognition, we continue to experiment, modify and fine-tune our own models. At the same time, I am also learning knowledge related to diffusion models.

### NIIT Turing Organization

March 2023 – Now

*HNU Undergraduate AI Team Leader*

*Haikou, Hainan*

- \* Won the national second prize and the provincial second prize in the artificial intelligence innovation track of the CRAIC2023 competition.
- \* Deeply participated in the development of the software "GPT Smart Text Detection System Based on RoBERTa-RCNN and Attention Pooling", which was reviewed and registered by the China Copyright Protection Center.
- \* Concentrated on an invention patent in artificial intelligence natural language processing, which has passed the preliminary review.

## Practical Experience

### Artificial Intelligence Practice | Deep Learning, Diffusion Model, NLP

- \* Actively participated in many activities of open source organizations like Datawhale that focus on machine learning and deep learning. He has strong hands-on ability and has won the title of "Excellent Learner" many times.
- \* Participated in many Kaggle, Alibaba Tianchi and other competitions, and has been involved in LLM, Machine Learning, Knowledge Graph and other aspects.

### Visit Student in NWPU | Computer Vision, TensorFlow, PyTorch, OpenCV, YOLOv8

- \* Participated in the 2023 Northwestern Polytechnical University summer camp and obtain A+ grades after passing professional course study and practical project assessment.
- \* Implemented deep learning based on Huawei Ascend Atlas200DKA2 in the field of object detection.
- \* Passed the Huawei Cloud HCCDA-AI certification exam and entered the Huawei talent pool.

**Innovative & Practice Programme for the Cultivation of High-level Internationalized Talents | NLP, Cloud Computing**

- \* Actively participated in the 2023 summer vacation PBL (Projected-Based Learning) interdisciplinary courses.
- \* Completed two Project-Based Learning interdisciplinary online courses and passed all the examinations.

**Intern of Yangfan Project** | *Data Processing, Excel, Word*

- \* Participated in the Hainan Province Sailing Plan and intern at the Teacher Work Office of the Hainan Provincial Department of Education from May to June 2023.
- \* Responsible for data processing and participating in data verification of important documents, such as recruitment of teachers for special positions.

## Technical Skills

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

**Technologies:** PyTorch, TensorFlow, Django, Node.js, Hadoop, Hbase, Hive, Kafka, Storm, Sqoop, Flume

**Concepts:** Artificial Intelligence, Deep Learning, Machine Learning, Computer Vision, Natural Language Processing, Compiler, Operating System, Neural Networks, API, Database Normalization, Cloud Computing