Zihao Cai

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Education

South China University of Technology (SCUT)	2021.09 - 2025.07
*Artificial Intelligence	Bachelor*	Guangdong, Guangzhou

Relevant Coursework

- Data Structures • Machine Learning • Deep Learning • Stochastic Process • Python • C++
- Data mining • Large language models • Metaverse

Awards

Honorable Mentions | **Mathematical Contest In Modeling (MCM)** | May 2023

Second Prize | **China Undergraduate Mathematical Contest in Modeling** | Sept 2023

Second Prize | **Mathorcup Student Mathematical Contest in Modeling** | June 2023

SCUT Annual Undergraduate Foreign Exchange Funding | July 2023

Experience

LLM Deployment, Training, Fine-tuning | *llm, python, Colab*

- Responsible for the deployment of the GLM2-6B large language model, completing code environment configuration, model loading, and other processes.
- Train the model to understand the training process of LLM, including parameter configuration, data preprocessing, training parameter adjustment, and fine-tuning the model using the P-tuning method to complete the task of generating titles based on text.
- Conduct model testing, evaluate the model using Bleu and Rouge metrics, compare with mainstream large language models, evaluate model performance, and attempt model optimization.

National University of Singapore Summer Exchange Program | *R, Power BI, Kaggle, python*

- Familiar with using pyhton and R for data processing and visualization on Kaggle, exploring and learning the application of Power BI and R in the field of data visualization.
- Experience the learning and life of Singapore in NUS.
- Visited the National Museum and many other cultural attractions, experiencing the local customs and customs firsthand, and experiencing the rich folk customs and historical culture.

Technical Skills

- **Languages:** Python, C++, Java, Matlab
- **Developer Tools:** VS Code, Pycharm, Anaconda, Colab, Kaggle
- **Framework:** TensorFlow, Keras, Torch, openCV
- **English Proficiency:** I have passed CET-4 and am preparing for IELTS
- **Other:** Github, Linux, Windows, Power BI

Personal Summary

I have extensive experience in data analysis and machine learning modeling. During my school years, I participated in data competitions and repeatedly achieved good results in the top three.

Committed to in-depth research on cutting-edge technologies and applications of machine learning and deep learning. Proactive and possess strong teamwork skills. Skill-wise, curious about new knowledge and able to quickly grasp it.