

# Renjie Gu

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## Education & Experience

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### Central South University

ChangSha China

Undergraduate of computer science and technology    GPA : **90.87/100**    **3.92/4.0**    09/2022-now

### SYNC (<https://sync-xyz.com>) (a start-up for ai-company app)

Beijing China

LLM and IOS develop Intern

07/2022-08/2024

- This is a start-up for ai-company ,and I spend two months here focusing primarily on iOS app development and utilizing LLM agents for specific chat scenarios.

## Publications & Researches

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- Xu R, Cai Y, Zhou Z, **Gu R**. Course-Correction: Safety Alignment Using Synthetic Preferences[J]. arXiv preprint arXiv:2407.16637, 2024. EMNLP 2024 Industry Track
- I once delved deeply into applying a psychological method called **thinking hierarchy** to improve the voting mechanisms in ensemble learning. During this experience, I extensively studied ensemble learning and various voting methods, conducting experiments to test them, but the results were not very promising.
- During my internship, I learned a lot about AI agents and llm for real-world scenarios. I worked on enhancing LLM capabilities such as humor and empathy by fine-tuning the LLM for our app. Moreover, I was responsible for generating synthetic data alongside user data to improve our model.

## Projects

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- A Job Recommendation and Competency Evaluation System Based on Knowledge Graphs .Responsible for researching and developing recommendation algorithms and back-end algorithm development. Utilized Python, PyTorch, and Flask to implement resume entity recognition and content recommendation algorithms based on knowledge graphs, and deployed ChatGLM for suggestion optimization.
- An IOS Chat App For online chatting using SwiftUI and google firebase .

## Skills

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**English:** I received an IELTS score of 7.0 one year ago, and over the past year, I have made significant progress in reading English papers and communicating effectively. I also participated in the Chinese Undergraduate English Competition and won a national second prize.

**Team-sorking:** I have great experience in working as a team.

**Tools and programming languages:** Python,Pytorch,C++,Swift,Git,SQL,Conda,HTML/CSS