Dear teacher, good morning

First of all, thank you very much for the opportunity to introduce myself.

I'm Jiaxun Yang, 21, from Hunan. At present, I am majoring in software engineering of Nanchang University. My motto is: look up to the stars, be down to earth, and be ready for action, which have enhanced my strength all this years.

In my opinion, I am a self-motivated, clear-cut goal, willing to make sustained efforts for it, and very optimistic person. I have a strong interest for basketball and I am the leader of the college basketball team, through which I am better-equipped for challenges.

In terms of learning ability: I ranked 1 / 440 in the first five semesters with a score of 481 in CET6. For two consecutive years, I have won national inspirational scholarship and special scholarship of Nanchang University. I applied for one software copyright and one national patent, preside over one national innovation and entrepreneurship training project, and win the national second prize of 2019 Blue Bridge Cup national software and information technology competition, national second prize of 2019 "Ai +" innovation and entrepreneurship competition.

Mathematical foundation: solid basic knowledge, good programming thinking. In addition, I have more than 500 questions in leetcode and POJ, and I have good programming and ability.

Research potential: at the same time, at the undergraduate stage, I have two research projects experience.

One of them is the speech rehabilitation training platform for deaf mute children. I have developed a quantitative evaluation method for the quality of imitative pronunciation of deaf children. By combining three pictures of the position, method, mouth pattern and structure of the pronunciation of deaf children, I have improved the shortcomings of low scores of other evaluation models when the deaf children read the correct initials and vowels, but the tones are not correct. ~~Under three different test conditions, the accuracy can reach 95.2%, 96.2%, 97.3%.~~

I also actively participated in the tutor's significance target detection project, and proposed an online significance detection integration model. By making full use of external knowledge and consensus opinion of saliency intensity map, this model can evaluate the quality of each candidate saliency model more effectively; meanwhile, it can dynamically adjust the weight of each candidate saliency model, correct the misjudgment of candidate model, improve the accuracy of the integrated model.

In the postgraduate stage, through the guidance of the teacher and my own efforts, . I will communicate with the teacher and other students with an open mind, make up the relevant knowledge and improve my scientific research and code level as soon as possible.help the teacher to complete

the scientific research task.

**University is the most ideal place for my further study. I am looking forward to joining your lab to participate in the exciting research work of artificial intelligence.When I join in the lab, I will devote myself to makinig good achievements in the fields of ML, PR and ml..I will devote a lot of time to help teachers complete their research tasks

My heart of learning is urgent and powerful, and I have a good scientific research literacy at the undergraduate stage. I make sure that I can get the qualification of our university. I sincerely hope to be a member of * *, hope that the teacher can give me the opportunity to enter your school for further study!

Thank you teachers!

And I have two scientific project experiences.

One is saliency object detection integration model.Here are the main methods used in this model:Its main contribution is that this model can evaluate the quality of each candidate saliency model more effectively by making full use of external knowledge and consensus opinion of saliency intensity map. At the same time, this model can correct the miscalculation of candidate models, improve the accuracy of the integrated model, and detect the saliency target online by adjusting the weight of each candidate saliency model.Here are the specific algorithm steps：

First,we reconcile multiple saliency models and external knowledge into the reference map.

Secondly,using a Bayesian framework and logit model, the evaluation quality and reference map of each candidate saliency model are constantly updated.

Finally,we can get a final saliency map after several rounds of cellullar automation.

The other one is 《Speech rehabilitation training platform for deaf children》, which is used to teach deaf children to speak like normal persons.