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 person who is willing to make continuous efforts to achieve goals and love sports.I am the leader of the college basketball team, In my spare time, I like playing basketball and fitness very much through which I can better meet the challenge.

In terms of learning ability: I ranked 1st in 440 in my grade and my CET-6 score is 481 points. Meanwhile, I have won national inspirational scholarship and special scholarship of Nanchang University for two consecutive years. Furthermore, I not only applied for one software copyright, one national patent and presided over one national innovation and entrepreneurship training project, but also won two national awards in the discipline competition.

In regard to programming ability: My basic knowledge of mathematics is solid and I have good programming thinking. My computer programming courses have an average of 92 points. I practiced more than 500 questions in leetcode and poj.

  In the research potential angle: I have two research projects experience.

  One is saliency object detection model. By making full use of consensus opinions of external knowledge and the candidate saliency maps, this model can dynamically adjust the weight of each candidate saliency model, overcome the misleading of inferior saliency models and perform saliency target detection end-to-end. Its performance exceeds 1.4% of the performance of the best performing candidate saliency model.

  The other one is the speech rehabilitation training platform for deaf mute children. When the deaf mute children read the correct initial and vowel correctly, but the tone is not correct, the traditional evaluation model often has a low score in such cases. Our model improves this.The accuracy of this model can reach about 95.2% in three different test cases.

  Finall, I know that my ability is still lacking, but my heart of study is urgent and powerful. At the graduate level, I will ask the teacher with an open mind and improve my research and code level, so as to help teachers complete scientific research tasks. \_\_University is my ideal place for further study, I sincerely hope to be a part of \_\_ and discover, think and explore with teachers. I hope the teacher can give me the opportunity to further my study!

  Thank you teachers!

~~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.~~

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.