



中国海洋大学
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Dear Sir or Madam,

I am an associate professor at Ocean University of China who mainly teaches data structure and digital image processing. Xu Yizhou took these two courses in the autumn semester of 2017. Also, she entered my laboratory in November 2017 and participated in the Segmentation Algorithm of 3D Mesh Model with Sparse Constraints Project. She performed well in all aspects and achieved outstanding results. She is a competent assistant and excellent research student in my laboratory.

Xu Yizhou has a high level of academic foundation for graduate studies. Compiling and debugging code is an essential skill for computer professional postgraduates. Besides taking the courses of C and C++ programming, she also trained for more than one year in ACM, where her ability of algorithm implementation has been improved comprehensively. During the project, she studied hard and solved all kinds of problems effectively by all means. She successfully completed the Image Processing Project as I mentioned before in my laboratory. Afterwards, in the summer of 2018, she worked as an intern in the Image Processing Project at Zhejiang University. Zhejiang University is my Alma Mater which has rich cultural heritage and academic atmosphere. Thus, I believe that through the summer research, she will continue to do better in the way of scientific research.

Xu Yizhou displayed both the interest and ability in data science. In daily communication, I noticed that she loved data science very much. For example, I had a project which needed an Auto Encoder in machine learning, so I asked her to help with this. Through her efforts, the project achieved the desired results and I was very satisfied. I believe these are all due to love, so she will use her spare time to learn and complete the challenging task. She is quick thinking and can solve difficulties in innovation. Therefore, she is very suitable for research in data science.

The biggest advantage of Xu Yizhou is the ability to ask good thoughtful questions. For example, I remember she asked me what scientific research is, and I shared with her the answers my mentor gave me: scientific research is divided into four grades, new problems and new methods, old problems and new methods, new problems and old methods, old problems and old methods. In her daily work, she can often put forward problems, seriously think about problems, and ultimately solve the problem. She shows with real



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action that she is trying to get out of the comfortable zone, old problem and old method, and move to the growth zone, new problems and new methods.

Another advantage of her is the capacity to resolve conflict. She has a strong ability to coordinate in team work. In group work, there are often disputes among members due to mutual incomprehension, which is the serious barrier to realize the settled goals. Under these circumstances, Xu Yizhou will always have ways to resolve conflicts. She can easily understand other people's ideas, can quickly call out the inconsistencies and help align everyone with the same vision.

Xu Yizhou, a strict and pragmatic student, is very active in learning and able to study deeply. When discussing with her, I can feel that she has a solid foundation in mathematics and computer science, and has a clear way of thinking, which I appreciate very much. Therefore, I am very willing to recommend Xu Yizhou to enter your university to pursue a graduate degree in data science.

Sincerely,

Yong Zhao

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