Dear Professor Cheng,

My name is Cui Mingyu and I am a student at Southeast University majoring in Software Engineering. The purpose of this letter is to express my willingness to participate in your Ph.D. Program. I have a keen interest in your area of research pertaining to data mining such that it would often familiarize myself with word embeddings as a sophomore prior to applying it to analyses of films and parallel information.

This approach saw me cluster directors, screenwriters and reviews along with other variables as a means of scoring the film. Then I would proceed to analyze the effect of the director such that it was often apparent that a director with a reasonable reputation would often have better reviews or produce films which were received far more warmly than those without. My passion for this area culminated in a paper being published detailing this approach. Furthermore, I have written a user recommendation system based on word embeddings and clustering. It is based on the daily browsing information of users, semantic analysis, and clustering of keywords to make recommendations for related products. Upon realizing that your newly research is focused on spatial pattern matching, I think it is really cool and it will be more convenient for us to create recommendation systems. I hope I can join your team creating works like this under your guidance.

In addition to the above project experience, I also participated in the feature extraction learning in my earlier years. This is due to the fact the better features we obtain the better result we may acquire. In the laboratory, we experimented with a new method of feature extraction. By modifying the construction method of affinity matrices, the features we extracted were superior to existing methods and have delivered them to IEEE TKDE. I believe that what I have learned will help me bring new ideas to your research.

As an undergraduate, I participated in the work of three papers. In addition to the two papers mentioned above, there is one article you can find in the attachment. I really love doing research in this field and I would like to inquire whether you could give me a chance to write a research proposal with you. Thank you for your due consideration of this letter and I look forward to hearing from you soon.

Kind regards,

Cui Mingyu