R-surf Application Personal Statement

Being professional and contributing to society are my motivations for studying and doing research. Therefore, I’m looking forward to doing research at Rose-Hulman and I believe doing such valuable research can help me accumulate research experience so that I will become more familiar with the research process. Besides, doing research when I am still an undergraduate student can develop my skills in my major and I’m able to learn a huge amount of knowledge that I can barely learn in classes. Going beyond things taught in classrooms enables me to apply my knowledge to a more specific question in my discipline.

I plan to go to graduate school to develop my skills in more specific aspects. Being a computer science student there are many branches of computer science for me to choose to develop and devote myself to in my careers such as computer graphics, natural language processing, information technology, and computer intelligence. I’m going to continue doing research and studying the most advanced technologies after leaving universities and colleges. Therefore, I believe that having research at Rose helps me better prepare for the individual research I will make in graduate school and avoid common mistakes in my future research experience. Therefore, joining the R-SURF program brings me much value.

My intended project is Professor Scrivner’s second project, “Detecting Dialect and Improving Machine Translation via bidirectional LSTM”. As I’m now a member of Prof Scrivner’s NLP club, I’ve learned many techniques like tokenizing and analyzing speeches. Therefore, by taking part in this project, I can dive into this field and apply what I learned in the NLP club to it.