One of my life mottos is, “Experience is wisdom”. When a person experiences something, he or she will learn something from that experience; basically gain some wisdom in that experience. For instance, in my experience of my freshman year of college, I learned through that experience it is necessary to study before classes. Because when a person studies before class he or she is better prepared and for their classes, The Research Experience Undergraduates (R.E.U.) internship has provided me with tons of experience that I will be able to utilize in the future of my career. There were a lot of things that I have obtained from in the R.E.U. Almost everything I have learned are going to be valuable or an asset towards my future career endeavors. Learning the concepts at the R.E.U. program was a challenge. However, it was a lot of fun in the process. The R.E.U. program afforded me the opportunity to enhance my computer and science skills as well allowed me the opportunity to apply the knowledge that I obtained by conducting my own research, construct make a C program, writing a scientific report, and other invaluable experiences, that will be used in the near future.

In the R.E.U. program, I was afforded the opportunity to conduct my own research project. As a result of being was able to complete my own research. I now have a better understanding of astrophysics, particle physics, and nuclear physics. Before, I was accepted in to the R.E.U. program. I had only general knowledge of astrophysics, no knowledge on particle
physics, and very little knowledge on nuclear physics. This program had provided me with a through technical knowledge of all three fields. Moreover, the R.E.U. had provided me a much better understanding of supernova. I now fully understand the concepts of supernova. Lastly, the opportunity of being able to conducting my own research was the most enjoyable experience of the R.E.U. program. My research was called “The Search for Hostless Supernova”. My research was about a specific type of supernova at are not formed in a galaxy, but outside of a galaxy. In addition, conducting my own research now motivates me ever more to be a scientist and allowed me to realize that, I love this unique experience. My biggest dream is to be a scientist. Thanks to the R.E.U. I was a scientist.

The most challenging part of the R.E.U. program I was creating a C program. The purpose of making a C program was to make a computer program. That will search through thousands of text files on supernova and then the program will pick specific text files on supernova. Those files that the program chooses were are used for further analyzing and study. Before being part of the R.E.U. program, I always believed that studying C programming was going to be a challenge but when the first-time I try to study the program. I never thought it would be so much of a challenge. Understanding C programming and making a C program for the R.E.U. was one of the biggest challenges in my life and through my whole life I had to face many challenges. Almost every time I try to execute the computer program (try to make it work). It always runs to some form of error. For one example, when I try to execute the C program. An error said “can’t open file” to read a text file on the supernova. This error keeps repeating it for a week! It drove me crazy! Fortunately, overtime I was able to use the problem with help. A graduate student name Matt Taylor, had help me with this problem. Without him help I were
never solve that computer error. Furthermore, I get some more help by my advisor Dr. David Cinabro for other computer error for that computer program. Eventually, it was a huge challenge. I was also fun to do. One of the passion, I love to do is to have a good challenge to master. Making the C program had provided an excellent challenge to master. However, being part of the R.E.U. experience was also challenge, a very enjoyable challenge.

Another enjoyable part about the R.E.U. program was to write a scientific report. The opportunity of conducting my own research had provided some scientific results on supernova, which I used on my report. In addition, I was able to publish my research as a scientist, which I deeply enjoyable. This was first-time in my life: I was able to publish my research report just like a scientist. The scientific report is call, “The Search for Hostless Supernova”. This is the same name of my research. The scientific report talks about a how supernova at are not formed in a galaxy, but are formed outside of a galaxy. Learning how to scientific report was a little challenging to do. For the reason, I never had to write a scientific report. It was a new experience. Nevertheless, it was fun to do it. In addition, one of the things I had to do on my scientific report was to make a histogram to help me analyze and study my scientific data on these supernovas. Also for other can see this data on my report.

Finally, and most the important part of the whole R.E.U. program is the invariable experience that will be used in the near future of my career. Because of the R.E.U. program I have now a lot of experiences that will be used to help me earn a PhD in the future. My fields of study are aerospace engineering and astrophysics. Both field I am planning to earn my PhDs. During the program my advisor Dr. David Cinabro teaches me the basic concepts of earning my
PhD in the near future. Also Matt Taylor, a graduate student whom was also earning he’s PhDs in astrophysics. He teaches me the details of earning my PhD. Another experience I gained is the day-to-day life of being a graduate student. In the program I observe the daily life of the average graduate student at Wayne State University. By observing the daily lives of the average graduate student I now have a better understanding of being a graduate student. This will increase my chances of becoming a graduate student someday and the experiences are going to be invariable in the near future. Because of the R.E.U., I now have a totally experience of how to be a graduate student. One of my biggest dreams is to be a professor teaching aerospace engineering and astrophysics at a university in 5 to 10 years. These experiences that I had learned are going to be one of the stepping stone to make that dream come true.

In conclusion, the opportunity of conducting my own research had allowed me to be a scientist, which is my biggest dream. In addition, of having the opportunity of conducting my own research, I now have a more thorough and better understanding of the following field: astrophysics, particle physics, and nuclear physics. Before being part of the R.E.U. program I had only a general understanding of astrophysics. Particle physics I had virtually no understanding. And nuclear physics had very little understanding on the little field. Also I have a better understanding of supernova on how they are formed, the history of the discovery of supernova, and a technical understanding of supernova. I now fully understand the concepts of supernova. The most challenging part of the R.E.U. program is learning how to write a C programming and creating a C program that works properly. Studying C programming and creating it had been one of the toughest challenges in my life. Because understanding C program
was extremely tough to understand. And when I was creating the C program I continuing on run to an error. But the problem was with the help of my advisor Dr. David Cinabro and a graduate student Matt Taylor. Moreover, it was a good challenge to master and it was to do fun. Another enjoyable part about the R.E.U. was being able to write my own scientific report on my research and being able to publish my report. The final and most important of done thing I did in the R.E.U. is gain get some invaluable experiences. Thanks to the help of my advisor Dr. David Cinabro I have a basic understand of earning my PhD. Also I have a detail understanding of earning my PhD with the help a graduate student named Matt Taylor. That will help me earn a PhD’s in aerospace engineering and astrophysics in the near future. During my participating in R.E.U. program I observe the daily life of the average graduate student. As a result, I gain some understanding on how the to being a graduate student someday in the near future. One of my biggest dreams is to become a professor teaching at a university aerospace engineering and astrophysics, in 5 to 10 years. These experiences and skills I learned are the necessary stepping stones of completing my career and dreams. All of this is because the R.E.U. program!