

Sample only

Relationship of the proposed work to the student's future goals:

(Example 1)

I am currently a senior majoring in Chemistry and Chemical Engineering. I have developed an interest in biochemistry and the applications of biochemistry and genetics in engineering disciplines, such as biofuels and renewable energy. I plan to attend graduate school and continue my studies in areas at the interface of biochemistry and engineering. Continued research and work with the UROP program will help me to achieve my goal to complete a graduate degree as well as help me to gain skills and experience that will be valuable in my profession. Though I do not know exactly what I will do in my career, I hope to be able to use the skills and knowledge I obtain to contribute to the well-being of society and the environment.

(Example 2)

I plan to apply for medical school, where I hope to do further work in the area of translational research. Specifically, I am interested in how various quality of life metrics can be used to analyze the effects of medical treatment on patients with chronic diseases. This project will help familiarize me with designing an outcomes-based study, conducting ethical human subject research, asking and answering scientific questions, and processing data obtained.

Although my background in basic science research has taught me a great deal about study design, working with X has given me the opportunity to learn more about the clinical implementation of medical research. Through this project, I will gain valuable skills that I believe will help prepare me for a career in medicine, and for future work in the area of translational research. I will come away with a better understanding of IRBs, informed consent, statistical analysis, and different techniques for quantifying quality of life. This coming summer, I will have the chance to work on communicating our findings in a manuscript that will be submitted to a national meeting in addition to the top rhinology journal, International Forum of Allergy and Rhinology. I will learn more about what makes a paper successful, how to present my research, and the paper review process. This work will be useful in applying to medical schools, where research and publication experiences are greatly valued.

(Example 3)

As a future Recreational Therapist I am interested in working with individuals receiving treatment for substance abuse. Furthermore, there are a number of activities connected with this project that will significantly contribute to my development as a therapist and a researcher such as designing structured interventions with a therapeutic focus, learning about standardized assessment tools and measures, analyzing data, summarizing research findings, and making evidence-based practice recommendations. Multisensory interventions are used in multiple healthcare disciplines. While I am pursuing my undergraduate degree in Recreational Therapy, I also have interest in continuing my education in Occupational Therapy, another discipline that frequently utilizes these interventions. Therefore, I feel this project is ideally aligned to benefit my educational, personal and professional growth and development.