

June 2022- September 2023

After finishing high school, I was interested in gaining practical experiences. So I began looking for a professor to work with in a research. I found a professor at King Saud University, who is specialized in industrial engineering. I joined a team of five other students. The research was in the solar energy field, the aim was to double the energy production. This research requires knowledge of solar cells. I mainly worked with the simulation of the idea using a software program, COMSOL Multiphysics program. This program simulates various physics and engineering applications. During the past months, I was learning how to use the program to be able to work on the research. I spent that period taking courses on the program, which was provided by the program company.

I am quite interested in material sciences, I read some books on the subject. I read a book titled "Engineering Materials Technology", by the scientists, James Jacobs and Thomas Kilduff. In this book, a chapter on polymers particularly caught my attention. This prompted me to conduct deeper research into plastic and its manufacture from materials that are annually renewable, such as wheat or corn, to protect the environment, as required. I usually spend my days in the central library. I often start my day by reading a book and then work on the research. In addition, I have been working on my improving my skills in English, and take the time to practice different aspects like reading and speaking.

I am fond of art, so in my free time I draw. Art gives me a lot of ideas and I see the world through different angles. I participated in a creativity program in King Saud University, where I was selected after attending interviews. The program offers art workshops, and also provided the opportunity to meet artists and share interests.

October 2023 – September 2024

At the beginning of October 2023, the Research, Development, and Innovation Authority (RDIA) made available enrollment in research scholarship initiatives to support and encourage researchers. I was able to enroll as a research assistant, as I am in the pre-final acceptance phase before executing the contract. This contract will be valid for two years. As a research team in the field of solar energy development, we aspire to submit the final research to Nature magazine.

Additionally, I am committed to further developing my English language skills. furthermore, I have started reading the book material science and engineering an introduction by William Callister which I have completed the first chapter of.