



On the Shoulders of the Giants: Mayo Clinic Internship Naomi Alyafei, Biomedical Engineering, Spring 2021

Professional
Development

SUMMARY

In Summer 2019, I participated in an internship at Mayo Clinic. Worked with an MD doctor and a team of engineers to produce a bio-lubricant Hydrogel that fits the FDA guidelines to treat Post-operation adhesion issues in the hand due to repetitive movement hand injuries that damages the tendons. This internship was different than a traditional research because of the nature of Mayo Clinic's environment.



SPICES

Professional Development:
Experienced the nature of working as a biomedical engineer with doctors to refine the best solutions to medical problems.

HERBS

Honorable/ Resilience
Performing Studies need accuracy and reliability of results and findings. This requires both resilience and Honorability

LEARNING OUTCOMES

Communicating Effectively:
Working at Mayo Clinic provided me with an opportunity to develop professional communication and interpersonal skills.

Team/Independent Learning & Decision Making:
I was able to expand the breath of my academic learning and apply theories learned in classroom to real-life issues.



IMPACT

From this experience, I gained a deeper understanding of the applications of Biomedical Engineering. This opportunity confirmed to me that I want to be a researcher and pursue a Ph.D. degree following my undergraduate studies. I can use my education combined with my passion to benefit my society and solve medical related issues as a Biomedical Engineer not a Doctor.

ADVICE

Internships are ways to experience the field you think you want to work in after graduation. If you have a chance to participate, do not hesitate.