

I strive to be a service-minded, emotionally intelligent, and culturally competent problem solver. With a strong work ethic and passion for helping others, I am currently seeking out social enterprises that intersect with science, design, and environmental sustainability. Currently, I am a Ph.D. student in Fiber and Polymer Science at North Carolina State University's Wilson College of Textiles, on schedule to graduate in May of 2020. I am researching advanced meltblown structures under the direction of Dr. Pourdeyhimi, the director of The Nonwovens Institute, as well as Dr. Scope, the Director of Life Sciences at Mann+Hummel. Under their mentorship, I have been able to learn about the fundamentals of polymer processing, filtration science, and critical thinking. Throughout my time at the Wilson College of Textiles, I have become passionate about environmental sustainability, Cradle to Cradle design, and the textile industry's ability to foster positive global change. During my first year at NC State, I founded Greater Good, an ethically minded textiles organization that advocates for environmental sustainability and worker's rights, and plan to continue designing technical products that improve lives. Alongside my research and outreach work, I've completed three internships which taught me how to synthesize information concisely, how to break down a large problem down to multiple measurable steps, and how to effectively lead a team. Please feel free to reach out at emrober2@ncsu.edu.