The COVID-19 pandemic has created a new impetus to improve public trust in science and scientific literacy. The key to doing this lies in effective science communication and public engagement. The summer project will involve the creation of one or more outreach demonstrations that involve communicating a complex STEM subject to a non-technical audience (i.e. elementary or high school children, seniors’ residences, etc.). The subject matter for the demonstration should be of the student’s choosing and be something that the student is familiar with on a technical level. The intended audience will also be chosen by the student, but the activity can be augmented to different audiences with the necessary changes specified. The activity itself should be hands-on, but be able to be performed virtually, making use of materials that can be found in someone’s home (or easily purchased at a grocery store). Development of each activity will require the preparation of a document that clearly outlines the demonstration lesson plan, a recorded practice demonstration, and a live facilitation of the activity with the intended audience that occurs at least once. Students will primarily be self-directed in the creation of the outreach activities, but will be supported and mentored by Dr. Jenna Usprech. The science communication summer project will help the student hone their communication and teaching skills, while also providing new outreach curriculum that can be facilitated remotely.