

## **Project Description: Development of IR lidar for Aerosol Detection**

The summer work will include researching on how coarse aerosols affect our environment indirectly and directly. They will look into the properties of these aerosols such as their cooling effects, duration in atmosphere, and the different types of coarse aerosols. They will help with running the lidar where they can better understand what and why they are studying. They will also work with a short Matlab code which plots aerosol and cloud data.