1. 3-4 sentence biography (include academia, professional and personal interests)

Charlie is a junior mechanical engineering major at the University of New Hampshire (UNH) where he also founded and directs the UNH Students for the Exploration and Development of Space in all engineering projects, including the design, manufacturing and testing of a hydroxyl-terminated polybutadiene rubber and nitrous oxide hybrid rocket engine. He also works part-time as a manufacturing engineer intern at TUBROCAM International where he assists in 5-axis mill processes and works to increase tool life. During his previous summer, he lived in Gaithersburg, Maryland working at the National Institute of Standards and Technology where he studied the mechanical properties of Inconel 625 in tension and compression at extremely high strain rates with very high temperature increases directly prior to deformation. His passion for commercial space and its direct connection to optimizing manufacturing processes aligned directly with the Matthew Isakowitz Fellowship Program and he is excited to start his journey at Rocket Lab!

* A fun fact about you!

During my first two years at the University of New Hampshire, I was a member of an all-male a cappella group called Not Too Sharp where I sang bass and beatbox.