

FY 2018 NASA/NC Space Grant Undergraduate Research Scholars

Shreyas Ashok, North Carolina State University

Fire in Reduced Gravity Environments

Elizabeth Blenk, North Carolina State University

Machine Learning Applications for Aerospace Engineering

Timothy Chen, North Carolina State University

Large-Scale Fabrication of Multifunctional Cellular Structures

Blanton Gillespie, The University of North Carolina at Asheville

Computational Modeling of the Kinetics and Structures of HFCs and HCFCs and their Reaction Pathways

Roark Habegger, The University of North Carolina at Chapel Hill

Polarimeter Automation for Rapid Response GRB Observations

Ashton Johnston, The University of North Carolina at Charlotte

Low-Cost Autonomous Navigation and Object Avoidance for a Small Continuous-Track Robot

Halen Mattison, North Carolina State University

High Altitude Balloon-Sail System

Metis Meloche, The University of North Carolina at Asheville

CO₂ Emissions from the Fermentation Process of Brewing Beer in Asheville, North Carolina

Jeffrey Miller, Appalachian State University

The Determination of Cytoskeletal Tension of Cells using Optical Tweezers

Gregory Rapp, Appalachian State University

Measurements of Optical Forces on Nanoparticles for Plasmonic Propulsion

Nathaniel Scott, Appalachian State University

Automation of Biaxial Steering Mirrors and Sample Stage in an LTRS Apparatus

Omar Shaban, The University of North Carolina at Chapel Hill

Skynet Events Manager

Darren Stroupe, The University of North Carolina at Asheville

Mg II-Absorbing Galaxies in the UltraVISTA Survey

Megan Yaffey, Appalachian State University

Development of a Protein-based Detection System for Organophosphates Using pH-dependent EGFP