Summer Research Institute Session 1 Oral Presentations
Host: Tianna MacMeans

9:00 AM  
Jessica Begay, Biology at Diné College  
“Exploration of Aquatic Endophytes and their Antimicrobial Metabolites in Navajo Lake”  
Mentored by: Dr. Luisa Ikner (Environmental Science)

9:15 AM  
Jessica Armstead, Child Development and Family Studies at University of North Texas, Dallas  
“Are there any differences in symptoms of depression with grandparents in skip-generation households and multigeneration households?”  
Mentored by: Dr. Melissa Barnett (Family Studies and Human Development)

9:30 AM  
Isabelle Boyle, Mathematics: Comprehensive emphasis at University of Arizona  
“Scalable and Efficient Algorithms for Optimal Path Planning in the Hamilton-Jacobi Formulation”  
Mentored by: Dr. Christian Parkinson (Mathematics)

9:45 AM  
Noah Butler, Computer Engineering at University of Arizona  
“Improving LiDAR-Based Navigation For The Visually Impaired With Metasurfaces”  
Mentored by: Dr. Janet Roveda (Electrical and Computer Engineering)

10:15 AM  
Aimée Chávez, 1. Political Science 2. Business Management at University of Arizona  
“School Choice Policy, Gentrification, and the Effects on Minority Student Success: A Review of Recent Research”  
Mentored by: Dr. Maurice Magana (Mexican American Studies)

10:30 AM  
Elisabeth Diaz Hampshire, English at Texas A&M University  
“Wellness and Academic Success in Primary Education Students”  
Mentored by: Dr. Michelle Perfect (Disability and Psychoeducational Studies)

10:45 AM  
Nicolas Gross, Mechanical Engineering at University of Arizona  
“Development of a Hard Docking Mechanism for Small Spacecraft”  
Mentored by: Dr. Jekan Thanga (Aerospace and Mechanical Engineering)

11:00 AM  
Myana Hibbert, 1. Care, Health, and Society 2. Religious Studies at University of Arizona  
“Exploring the Relationship Between Incarceration Rates and Community Health Factors”  
Mentored by: Dr. Carrie Langley (Sociology)