Anthony Hearst
ahearst@purdue.edu

As a member of the McNair Scholars Program, Anthony graduated from the University of California, Santa Barbara, with a B.S. in Chemical Engineering. Anthony's undergraduate research culminated in his participation in the 2012 NASA Student Airborne Research Program, where he studied multispectral and thermal imagery of crop fields at Delano Vineyards in California, acquired with the MASTER imaging spectrometer. In 2012 Anthony was awarded an NSF GRFP fellowship, and in 2013 Anthony was also awarded the Purdue Doctoral Fellowship. He is currently pursuing a PhD in Remote Sensing in the Agricultural and Biological Engineering Department at Purdue University.

Anthony is interested in applications of imagery from Unmanned Aircraft Systems (UAS) in plant breeding and crop modeling. He has collected and processed imagery from over 100 flights with a small fixed-wing UAS at the Agronomy Center for Research and Education (ACRE) at Purdue University for a collaborative research project lead by phenomics researchers in the Agronomy Department (Dr. Katy Rainey) and remote sensing and modeling researchers in the Agricultural and Biological Engineering Department (Dr. Keith Cherkauer). Anthony's research focuses on acquiring, processing, and analyzing these data so that they provide useful information for plant breeding and crop modeling.