

Skills	ArcGIS, QGIS, ENVI, Bash, Windows, Mac, Matlab, Python, Adobe Photoshop, Adobe Illustrator, Microsoft Programs, Infrared Spectrometer, McIDAS-V, NCToolbox
Work Experience	<p><u>Student Intern</u> January – July 2017, NASA Jet Propulsion Laboratory</p> <ul style="list-style-type: none"> ▪ Assisted on two projects during internship <ul style="list-style-type: none"> ▪ Bidirectional Reflection Distribution Function (BRDF) Correction – Assessed methods to correct BRDF for plane mounted spectrometer for universal application ▪ San Francisco Bay Delta Water Quality Project – assessed water quality (suspended sediment and chlorophyll-a) using Sentinel 2 and Landsat 8 data along with USGS and CDEC <i>in situ</i> data ▪ Worked with mentor to improve research, writing, and communication skills <p><u>Student Hourly Researcher</u> January 2013 – August 2017, Space Science and Engineering Center (SSEC)</p> <ul style="list-style-type: none"> ▪ Worked with a senior scientist at SSEC ▪ High performance computing experience analyzing large datasets including: Infrared Spectrometers - AIRS, IASI, CrIS, GOSAT Infrared Imagers – MODIS, Space-borne LIDAR – CALIPSO, CAVP, Dual-Regression, SNO, SONOs, Data Visualization - Matlab, McIDAS-V ▪ Presented Student poster at 2014 annual American Meteorological Society meeting <ul style="list-style-type: none"> ▪ “Visualization of the 3-Dimensional Structure of Clouds and Water Vapor in the Hurricane Environment” ▪ Assisted with several different projects and contributor to several publications <ul style="list-style-type: none"> ▪ “Satellite Inter-Calibration of the JAXA GOSAT Thermal InfraRed Radiance (TIR) using NASA AIRS, EUMETSAT IASI, and NOAA CrIS Sensors.” ▪ “Uncertainty Estimates of NASA Satellite LST over the Greenland and Antarctic Plateau: 2003-2015.” <p><u>GIS IT Support Intern</u> Summer (June – August) 2016, Alliant Energy</p> <ul style="list-style-type: none"> ▪ Updated company maps ▪ Helped move company GIS information to new internal website ▪ Sat in on GIS and IT Meetings ▪ At the end of the internship we gave presentations on what we accomplished and learned
Education	<p>University of Wisconsin – Madison</p> <ul style="list-style-type: none"> ▪ September 2012 – August 2017 ▪ Bachelor of Science Major in Geographical Information Sciences (GIS) and Cartography ▪ Minor in Environmental Studies ▪ Cumulative GPA – 3.25
Personal Experience	<ul style="list-style-type: none"> ▪ Weekly volunteer work with Dane County Friends of Ferals, a local no kill animal shelter. Over 60 hours of volunteer time. ▪ President of a Registered Student Organization on the UW – Madison Campus, previously vice president