

# Christopher Stephen Cooper

## CURRICULUM VITAE

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### Education

2016 – Present            Master of Science in Geography  
Department of Geography, University of Georgia, Athens, GA  
\* Expected Graduation: Dec. 2018

2013 - 2015            Bachelor of Science in Geography - Earth System Science  
Department of Geography, University of Georgia, Athens, GA  
\* GPA: 3.49/4.00

2013- 2015            Certificate of Proficiency: Geographic Information Science  
Department of Geography, University of Georgia, Athens, GA

2011 - 2012            Associate of Arts in Political Science  
University of North Georgia, Watkinsville, GA

### Employment and Appointments

2016 - Present            National Park Service  
Inventory & Monitoring Division, Southeast Coast Network  
Whitehall Forest - Warnell School of Forestry & Natural Resources, Athens, GA  
*Research Assistant*- serve as geospatial analyst, primary cartographer, and field technician.

Summer 2016            National Aeronautics and Space Administration (NASA)  
Center for Geospatial Research, Department of Geography  
University of Georgia, Athens, GA  
*DEVELOP Project Researcher*- contributed to the development of a predictive model which is used to derive the geographic distribution of *hydrilla verticillata* from remotely-sensed Landsat 8 spectra.

- 2014 - Present      Environmental Change Lab, Department of Geography  
University of Georgia, Athens, GA  
*Research Assistant*- collect and process lake sediments for chironomid remains, radiocarbon dating, pollen grains and spores, micro/macrosopic charcoal, and geochemical analysis.
- 2012 - 2016      Jittery Joe's Coffee, Athens, GA  
*Barista*
- 2002 - 2012      Bulldog Car Wash & Express Lube, Athens, GA  
*General Manager*- oversaw all aspects of this small business from account management to the supervision of over 50 employees.

### **Awards and Honors:**

- 2017      Geological Society of America Graduate Student Research Grant (\$1,550)
- Spring 2015      Inducted to Gamma Theta Upsilon- The International Geographic Honor Society
- Fall 2013      Dean's List- Franklin College
- Fall 2013      Member of National Society of Leadership

### **Departmental Service**

- 2016-present      Member of Geography Graduate Student Organization
- Fall 2015      Founded and served as Co-President of the Geography Undergraduate Student Organization (GUSTO)

### **Field Experience**

- 2018      Assisted National Park Service I&M personnel in conducting longitudinal profile surveys of streams within Chattahoochee National Recreation Area in Roswell, GA.
- 2018      Assisted National Park Service I&M personnel in implementing the Wadeable Stream Monitoring protocol over 5 days at Congaree National Park in Hopkins, SC.
- 2017      Assisted National Park Service I&M personnel in implementing the Wadeable Stream Monitoring protocol over 4 days at Kennesaw Mountain National Battlefield Park in Marietta, GA.
- 2017      Assisted National Park Service I&M personnel in implementing the Wadeable Stream Monitoring protocol over 2 weeks at Chattahoochee National Recreation Area in Roswell, GA.

- 2017 Assisted National Park Service I&M personnel in implementing the Wadeable Stream Monitoring protocol over three days at Ocmulgee National Monument in Macon, GA.
- 2017 Assisted National Park Service I&M personnel in conducting surveys to monitor erosion of earthworks at Moores Creek National Battlefield in Currie, NC.
- 2017 Collected data from temperature loggers at remote, high-elevation locations within Great Basin National Park, NV in assistance to NPS personnel participating in the Global Observation Research Initiative in Alpine Environments (GLORIA).
- 2017 Collected sediment cores from high-elevation meadow locations over 8 days in Great Basin National Park, NV.
- 2017 Collected sediment cores (including long-coring from a platform), limnology data, and water samples from alpine and sub-alpine lakes over 2 weeks in Rocky Mountain National Park, CO.
- 2016 Operated an XHR1024i spectroradiometer and collected data about submerged vegetation in Lake J. Strom Thurmond and Long Branch reservoir, GA for NASA DEVELOP Southeast Ecological Forecasting III project.
- 2016 Collected sediment and limnology data from sub-alpine lakes while assisting researchers from The Ohio State University and University of Georgia over six days in Great Basin National Park, NV.
- 2015 Collected sediment cores and limnology data from alpine and sub-alpine lakes over 2 weeks in Rocky Mountain National Park, CO.
- 2015 Operated a GER1500 spectroradiometer to collect data about chlorophyll-a in Lake Herrick, GA.

## Technical Skills

- **Software:** Microsoft Office Suite (Access, Excel, Word, PowerPoint), ESRI ArcGIS, QGIS, ENVI 5.0, ENVI IDL, ERDAS Imagine 2013, BACON age-modelling, R programming language and R-Studio, Maximum Entropy Modeling (MaxEnt), Bartsoft, SeaDAS (NASA), OPUS Projects (National Geodetic Survey), HOBOWare PRO
- **Instruments & Equipment:** Trimble S6 robotic total station and TSC3 controller, Garmin GPSMap handheld GPS, HOBOWare data-loggers, Spectra Vista XHR1024i and GER1500 spectroradiometers, Bartington MS2K magnetic susceptibility meter, Russian peat-corer, modified Livingstone piston-corer, gravity-corer, modified gas-powered Vibracorer, standard laboratory equipment (centrifuge, fume hood, muffle furnace, microbalance, binocular microscope), standard limnology instruments (secchi disk, YSI multiparameter instruments)

## Professional Memberships

- 2015 – Present Association of American Geographers
- 2016 – Present Southeastern Division of the Association of American Geographers
- 2017 – Present American Geophysical Union
- 2017 – Present Geological Society of America