

Alton Hipps

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altonhipps.com

Employment:

- GIS Analyst; **Ardent Management and Consulting** September 2021-Present
 - Developed dashboards, applications, surveys, and scripts to display data for the DHS COP program
 - Created applications to connect thousands of records to be used by to as many users
 - Collaborated directly on a daily basis with federal partners, based on federal requirements
 - Spearheaded communication of multiple dashboards, forms, and data sources to senior leadership
 - Maintained required records and security practices required for a variety of data and records types
- Hydrological Geospatial Technical Assistant; **United States Forest Service** May-August 2019
 - Identified sites for citizen water sampling in the National Forests in Alabama
 - Located potential sites through GIS raster and vector analysis
 - Independently planned and executed trips to each site and determined site quality
 - Digitized forms for use through an app allowing for instant update of online maps
- Assistant Workcamp Coordinator; **Church of the Brethren Inc.** August 2020-August 2021
 - Coordinated, planned, and led short term service opportunities for participants nation-wide
 - Created curricula for leaders and participants to enhance and inform participation
 - Worked with our team to execute program name change and rebranding
 - Managed publicity, social media, surveys, and other communications
- Postal Window Clerk; **William & Mary** January 2017-May 2020
 - Guided customers to a solution to their postal questions and difficulties
 - Retrieved packages, organized package inventory, and managed database data

Education:

- College of William & Mary; Williamsburg, VA; *magna cum laude* May 2020
 - B.S. Geology
 - B.S. Environmental Science

Skills:

- **Experienced with:** ArcMap, ArcGIS Online, ArcPro, Survey123, ESRI Dashboards, ESRI Portal, ESRI Enterprise, QGIS, HTML, Python, Microsoft Office Suite, raster and vector analysis, cartographic methods, database querying, entry, and editing, LiDAR and derivative products, water chemistry sampling and analysis, groundwater sampling and analysis

Research Experience:

- Measured sediment uranium/radium concentrations to assess surface radon risk June 2019-May 2020
 - Augered, logged, dried, sieved, processed, and packed samples
 - Analyzed samples via ultra-low background high resolution gamma spectrometry
 - Enhanced public health knowledge of regional radon risk
 - Applied for and obtained permit for work on state lands
- Determined effect of retention ponds on soil infiltration October 2018-June 2019
 - Selected sites and collected soil samples
 - Measured soil infiltration via mini disk infiltrometer
 - Processed samples and measured grain size via LDPSA and fluid density methods

Professional Development:

- Presented at **ESRI Federal GIS Conference** February 2023
 - Presented on the technical effort for the modernized Common Operation Picture (COP) application
- Authored and presented at **Joint NE/SE Geological Society of America Section Meeting 2020** March 2020
 - Prepared 20-minute presentation on sources of uranium and radium in coastal sediments
 - Cancelled due to COVID-19 pandemic
- Authored presentation and abstract at **SE Geological Society of America Section Meeting 2021** March 2021
 - Coauthored a poster and presentation on radon risk in the Williamsburg, VA area

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