

# Courtney Baskin

<https://baskinc049.github.io/baskinc049/>

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(803).713.5526

## **EDUCATION**

**University of South Carolina; Columbia, SC**

Bachelor of Arts and Sciences in Biology, August 2015

**University of South Carolina; Columbia, SC**

Master of Health Information Technology, May 2017

## **RELEVANT EXPERIENCE**

**Research Associate (Geospatial Web Developer / Data Science and Visualization Team Lead); Columbia, SC**

*Institute for Families in Society COSW, Jan 2023 – Present*

In addition to my responsibilities as the Division's Geospatial Web Developer, I have taken responsibility of leading the Division's team of GIS and Data Visualization specialists. My role as both Team Lead and GIS Web Developer is broad in scope, I manage the flow of information and tasks of my team, across to colleagues, and up to the Directors of IFS and perform the functions of a GIS Analyst, Visualization/Web Specialist, Web Developer, Web Content Developer, Support Staff, and Project Manager.

**Highlighted Skills:** Spatial Analysis · Web Content Creation · Google Analytics · Content Management Systems (CMS) · Research Support · ArcGIS Pro/Online · Data Visualization · Web Development

**Research Associate (Geospatial Web Developer); Columbia, SC**

*Institute for Families in Society COSW, Jan 2020 – Dec 2022*

In this role, I provided guidance and expertise in data visualization design principles and best practices; worked with more senior members of project teams to synthesize and translate instructional and business needs into creative visualizations and tools; and, assisted in the managing and daily maintenance of the Institute's GIS web application and associated web presence for the Division of Integrated Health Policy and Research (IHPR).

**Highlighted Skills:** Spatial Analysis · Web Content Creation · ArcGIS Pro/Online · GIS Applications · Google Analytics · Web Development · Adobe Creative Suite

**GIS Analyst I; Columbia, SC**

*Institute for Families in Society COSW, Jul 2017 – Dec 2020*

As an analyst, I used GIS software, tools, and methods to generate map products and conduct routine spatial analyses based on predefined procedures in a fast paced, applied research environment using the latest ESRI software (ArcGIS Desktop, ArcGIS Catalog, ArcGIS Server) and ancillary tools (Excel, Adobe, Internet-based data sources, SQL Server).

**Highlighted Skills:** ArcGIS Desktop · Spatial Analysis · Microsoft Office Suite · Adobe Creative Suite · Research Support · ArcGIS Server

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## **RELEVANT PROFESSIONAL PROJECTS**

### **CHARGED<sup>3</sup> Hub**

Built on Esri's ArcGIS Hub platform, the CHARGED<sup>3</sup> Hub (Children's Health & Resource Geographic Exploration for Data-Driven Decisions) is an online engagement platform for the data-driven CHARGED<sup>3</sup> Initiative. It delivers the CHARGED<sup>3</sup> Geospatial Environmental Scan<sup>®</sup> and the underlying framework of the Initiative, as well as contextual factors, data, and topics around children Birth to 5.

### **SC Birth Outcomes Initiative (SC BOI) Interactive Dashboard**

A custom-built solution for the SC Dept. of Health & Human Services (SC DHHS), the SCBOI Interactive Dashboard provides users with an instant visual representation of the statewide maternal and birth outcomes metrics – across payment, individual, facility-level, and geographical characteristics.

### **Exploring South Carolina's Social Determinants of Health**

Built using Esri's Classic ArcGIS Storymaps platform, this visualization tool allows users to explore the social determinants that influence the health of residents in South Carolina.

### **SC HealthViz - SC eHealth Medicaid Statistics (2017 - 2022)**

SC's Medicaid transparency site, SC HealthViz was designed to provide greater transparency in the data that result from the administration and delivery of Medicaid health services in South Carolina through report formats that were both user-friendly and accessible.

### **SC HealthViz - Geospatial Health Stats & Policy Research (2023 - )**

Rebranding and revitalization of the Medicaid transparency site into a website dedicated to providing geospatial analysis, health statistics, and innovative policy research for the Division of Integrated Health and Policy Research (IHPR) within the Institute for Families in Society (IFS) at USC.

### **The Voices|Voces Initiative: Moving Forward through Women's Voices to Address Pregnancy and Birth Inequities in South Carolina**

Informational website designed to - disseminate the results of research conducted by a multidisciplinary, multilingual team at the Institute for Families in Society (IFS) in the College of Social Work (COSW) at USC, and to share the campaign's messages and material throughout the greater community. An example of digital scholarship, the use of digital tools and techniques integrated with scholarly methodologies to collaborate with researchers to help them to reach broader audiences beyond traditional academia with their research.

### **Ring Maps for Spatial Visualization of Multivariate Data**

An exploring into the concept of *digital scholarship* and non-traditional research outputs in an effort to allow research to reach a broader audience. This ArcGIS Storymap serves as a supplement to 2011 Ring Maps for spatial visualization of multivariate epidemiological data article in by: Sarah E. Battersby, John E. Stewart, Ana Lopez-De Fede, Kevin C. Remington & Kathy Mayfield-Smith.