

Payton Gilchrist



Company Role

Business Development
GIS Analyst

Project Role / Focus Areas

- Pursue work on behalf of Evari GIS Consulting, Inc.
- Manage social media and marketing efforts

Education

- B.S. – Geographic Information Science (GIS), University of North Alabama

Registration / Certification

- Certificate in GIS, University of North Alabama
- Amazon Web Services (AWS) Technical Professional
- Skywarn Trained Observer, NOAA: National Oceanic & Atmospheric Administration

Professional Memberships

- AAG – American Association of Geographers
- SEDAAG – Southeastern Division of the American Association of Geographers

Experience Profile

Payton Gilchrist has 2 years of professional experience working in the Geographic Information Systems industry with the environmental planning and utility sectors. She works directly with the Founder and CEO of Evari GIS Consulting, Inc as part of the Business Development team where she pursues and secures work for Evari. Payton is also responsible for managing Evari’s website and social media, and fine-tuning various business development processes.

Professional Experience

Evari GIS Consulting, Inc.	2019 - Present
• <i>Business Development/GIS Analyst</i>	
San Diego Gas & Electric	2018 - 2019
• <i>Electric GIS Technician</i>	
San Diego County Regional Airport Authority	2018
• <i>Noise Mitigation Intern</i>	
Magnolia River Services	2017 - 2018
• <i>GIS Intern</i>	
University of North Alabama	2014 – 2018
• <i>Student</i>	

Projects

Regional Joint Patterns in Northwest Alabama, University of North Alabama (2017-2018). The purpose for this study was to analyze the spatial occurrences of sinkholes in Lauderdale and Colbert Counties in relation to geology, major roads, and elevation. In order to provide the most accurate analysis, a combination of geology and elevation data was used. The focus was on finding and executing methods and testing to determine if sinkhole locations were caused by random chance or influenced by other observable factors.

Solar Panel Site Suitability – Las Vegas, University of North Alabama (2016). The mission was to locate building rooftops which had the highest potential utilization for solar panels for environmental and planning purposes. To locate buildings matching these criteria, LiDAR data was transformed into terrain, surface, and elevation models. Models were then used with various geospatial analysis tools, specifically the use of slope, aspect, and solar radiation, to compute which buildings fit the criteria for maximum efficiency. This allowed pinpoint accuracy of which buildings to target for expanding solar prospects.