ROBERT M. NALL

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PROFESSIONAL EXPERIENCE

nSide, Inc   Florence, AL
Director of Data Management   Jan 2015 - Present
- Manage GIS team through identifying scope and associated deliverables and tools throughout project lifecycle
- Ensure project deliverables are executed on-time and within budget threshold
- Develop strategies to manage Customer Success Program by communicating with customers for feedback about product and analyzing associated customer data
- Author, edit, review all major sections of nSider's Community and Knowledge Base
- Conduct research and development for internal data processing improvements such as workflows, open source utilization, and analytical techniques
- Quantitative analysis and data visualization for month, quarter, and year end product reviews
- Market analysis for nSide|Site and ranking of potential clients
- Write for Company blog about technical achievements and academic pursuits

SICS Consultants, LLC   Florence, AL
Data Scientist   May 2014 - Present
- Oversee technical geospatial and data analysis operations
- Sale of Google Imagery and value added products (file format conversions, reprojections, resampling, mosaicking, tiling & reindexing, spectral band recombination, and hosting services)
- Lead, maintain, and execute Google Imagery processing jobs
- Develop, build, and execute handoff of statistical models for fiber infrastructure prediction
- Develop hierarchical geoprocessing techniques for data translation in Virtual Alabama School Safety System and Virtual Alabama
- Develop and maintain scalable geocoding applications for Medicaid of Alabama and manage Medicaid of Alabama related GIS and analytical projects
- Configure and maintain ArcGIS web services for Alabama Forestry Commission and National Weather Service
- Develop geoprocessing tools for standardization and data delivery for Wiregrass E911 Consortium
- Serve as internal and external contact for GIS consultation and spatial analysis

Ag Technologies, LLC   Cordele, GA
Spatial Analyst   June 2013 – May 2014
- Point of contact for internal and external clientele GIS consulting and spatial analysis
- Multivariate statistical analysis and modeling of soil data for variable rate application
- Develop custom GIS tools for automation of soil analysis
- Spatial data creation, processing, and input for tractor guidance systems
- Data compilation and analysis of regional agricultural markets
- Cartographic production in static and web environments
- Field data collection using soil electrical conductivity instrumentation and Trimble devices
- EM-38 Soil Mapping, VERIS Technologies, Trimble Yuma 2, FmX

Cobb County Government, Community Development   Marietta, GA
GIS Technician   November 2010 – August 2011
- Design and maintenance of 2010 Census geodatabase
- Spatial and descriptive statistical analysis of 2010 Census demographics within county
- Author sections of the 2010 Census Report presented to Board of Commissioners
- Build footprint inventory and geodatabase creation for "Vinings Vision Plan"
- Geocode county addresses for E-911 cooperation in Fire Plan development
- Assign, verify, and QA/QC parcel addresses within county
- Interact with county citizens to resolve requests, issues, and concerns related to parcel addressing
- Cartographic production on Planning Division studies
- Attend Planning Commission meetings and presented maps of study areas via multimedia

EDUCATION

University of North Alabama, May 2014   Florence, AL
M.S. in Geospatial Science
- Thesis topic: *Understanding Vulnerability: Optimization of a Place-based Vulnerability Model to Floods in Davidson County, Tennessee*
- Awards: Phi Kappa Phi Academic Honor Society
- Activities: The Honor Society of Phi Kappa Phi, National Council for Geographic Education, Alabama Geographic Alliance, UNA Geography Club, UNA Geography Department Interview Committee

Auburn University, May 2010   Auburn, AL
B.A. in Geography
- Activities: Gamma Theta Upsilon International Geographic Honor Society, Eta Theta Chapter

SKILLS
- Skilled in Microsoft Word, Excel, PowerPoint, Windows OS, Google Cloud Storage, Google Docs/Sheets/Slides
- Proficient with ArcGIS Desktop 10.x, ArcGIS Server 10.x, ArcGIS Online, SQLServer, R, Python, QGIS, GDAL/OGR, SQLite, Global Mapper, FME, Business Analyst, Google Cloud Product
- Experience with Linux OS, Raspberry Pi, PostgreSQL, PostGIS, MySQL, MapTiler, ERDAS Imagine, SPSS, Trimble FarmWorks

ADDITIONAL ACTIVITIES
- Adjunct Instructor- University of North Alabama (Summer 2018)
- President- University of North Alabama Geography Alumni Association (2016-2017)
- President Elect- University of North Alabama Geography Alumni Association (2015-2016)
- Vice President- University of North Alabama Geography Alumni Association (2014-2015)
- Alabama Geographic Alliance GIS Day 2015- Teaching GIS to 3rd Graders using Google MyMaps