Lauren Holmes

Cell: (910) 228-4193
lauren.holmes.nc@gmail.com

RECENT WORK EXPERIENCE

Junior Mapping and Planning Specialist, Upper Mississippi River Basin Association   *July 2021 - Present*
- Update and verify data in statewide layers such as boat ramps, non-navigational dams, aboveground storage tanks, hazardous materials storage, etc in ArcGIS for upload into the EPA Region 5's Inland Sensitivity Atlas
- Assist with map creation for reports

GIS Intern, Upper Mississippi River Basin Association   *May 2021 - August 2021*
- Performed GIS analysis of ecosystem benefits from water level management on the Upper Mississippi River
- Used the "Dabbling Duck Migration Model" to determine if the suitability score of fall duck habitat in each river pool improves based on certain model variables that are affected by USACE water level drawdowns
- Presented work to Water Level Management Regional Coordinating Committee
- Summarized analysis methodology in report document to be released

Geospatial Metadata Student Assistant, Robinson Map Library, University of Wisconsin-Madison   *January 2021 - August 2021*
- Assisted with WisconsinView lidar data organization project by processing raster datasets through custom file compression script
- Created and organized spatial geodatabases containing updated GIS datasets such as Addresses, Hydrography, Land Use, Zoning, Roads, and Parks for individual Wisconsin counties
- Wrote and edited detailed metadata for each dataset, ensuring accuracy of database keywords, spatial reference system, geometry types, county point of contact information, bounding box/coordinates, and links
- Pushed datasets to Quality Control / Quality Assurance process for eventual publication on the GeoData@Wisconsin data portal; contribute to project management of publication process by ensuring county status spreadsheet is updated and accurate

RECENT EDUCATION

Advanced GIS Capstone Certificate, University of Wisconsin-Madison   *September 2020 - Completing December 2021*
- Geocomputing (Python Scripting for GIS), Spatial Databases, Cartographic Design for Print and Web

GIS Graduate Certificate, North Carolina State University (N.C. State), Raleigh, NC   *August 2019 - April 2020*
- Fundamentals of Geospatial Information Science and Technology, Spatial Problem Solving
- ESRI Web Courses - listed on portfolio

SKILLS

- ArcGIS: ArcMap, ArcCatalog, ArcGIS Pro, ArcGIS Online (Web Maps and Web Apps)
- QGIS
- SQL & PostgreSQL DBMS
- Python for GIS applications
- Adobe Illustrator, Adobe Photoshop
- Microsoft Excel: Advanced Formulas (Concatenate, Vlookup, SUMPRODUCT, INDEX), Macros, Pivot Tables
- Microsoft Office Suite: Word, Outlook, PowerPoint
- Google Business Suite: Sheets, Docs, Mail, Forms, Slides, Hangouts Chat
- Tableau
- Google Data Studio
- Google MyMaps

OTHER WORK EXPERIENCE

Data Analyst, AQUALIS Stormwater Management, Durham, NC   *January 2020 - November 2020*

Service Delivery Coordinator, AQUALIS Stormwater Management, Durham, NC   *July 2019 - December 2019*

Global Logistics Programs Coordinator, Red Hat, Inc., Raleigh, NC   *April 2018 - July 2019*

Card Team Packaging Project Manager, RR Donnelley, Durham, NC   *December 2015 - April 2018*

Associate Development Program, RR Donnelley, Durham, NC   *January 2015 - December 2015*

Global Supply Chain Planning Intern, LORD Corporation, Cary, NC   *May 2014 - December 2014*

OTHER EDUCATION

Bachelor of Science, Business Administration - *Supply Chain & Operations Concentration*   *Conferred December 2014*
North Carolina State University (N.C. State), Raleigh, NC
- Received The Poole College of Management Board of Advisors Outstanding Student Award

VOLUNTEERING

Cary Tree Archive, Cary, NC   *December 2021*

Project Pando, Leaf & Limb, Raleigh, NC   *November 2021*
- Assisting with mapping mother trees whose seeds were collected by volunteers for propagation

Well-Fed Community Garden, Raleigh, NC   *October 2021*

Cure Native Plant Nursery, Pittsboro, NC   *January 2021*

Holiday Gift Wrapping Fundraiser for Wounded Warrior Project, Red Hat Inc., Raleigh, NC   *December 2018*
- Raised a total of $920, the highest amount in fundraiser history