Session Description: Github is a primary tool in today's coding landscape for managing and sharing files, typically code. Developers across the world use Github to share projects and work collaboratively to create original work and also to improve upon the work of others. This webinar will show how Github works and how it can be used inside a GIS Department to share and track code, documents, and geographic data.

1. Introduction- Bob
   1. This is from MAGIC
   2. Who the presenters are and what we’ve done on Github:
      1. Richie is a Senior GIS Analyst with the Arkansas Geographic Information Systems Office. His primary GitHub experience is collaborating on application code development for the Arkansas Spatial Data Infrastructure (formerly known as GeoStor)
      2. Kristen Jordan-Koenig is a GIS Specialist with the Kansas Data Access and Support Center. Her primary experience with GitHub is collaborating on data verification tools for the Kansas Next Generation 911 project. She mostly codes in Python and organizes the Kansas Python Users Group.
      3. Tony:
2. What is Github- Richie
   1. Platform for sharing and tracking projects
   2. Code repository
   3. Change detection
   4. Can be used for other documents
   5. Commonly used for open-source code projects
   6. Social media aspects
      1. Commenting
      2. Wikis
      3. Bug tracking
3. Key definitions- Kristen
   1. Repository
   2. Fork
   3. git
4. Where Github operates- Kristen
   1. Online
   2. Desktop clients
   3. Plugins
5. Common workflow patterns- Tony: Description and Demonstration
   1. Create repository
   2. Add code/documents
   3. Updating code/documents
6. Geographic Data- Tony: Description and Demonstration
   1. GeoJSON
   2. GIST
7. Questions and Answers with Bob as Moderator