Warren Ehrenfried

423-765-5569
warrenehrenfried@gmail.com
https://warrenehrenfried.github.io/website/

SUMMARY

I am a Geographical Information Systems Specialist at Atmos Energy with skills in Python, R, and SQL. I enjoy using my analytical skills and domain knowledge to solve complex problems in the utilities industry. I am a self-starter, quick learner, and eager to build my consulting skills in a fast-paced and dynamic environment. I am enrolling in Georgia Tech's Master of Analytics program in 2023 to further expand my analytical skillset and provide unique value to clients.

EDUCATION

University of Tennessee   **Knoxville, TN**
- Major: Bachelor of Science in Geology   *2016 - 2020*
- GPA: 3.79
- Study Abroad: Universitat Autònoma de Barcelona, 2019
- Dean's List 2016-2020

SKILLS

- Geographical Information Systems (Esri Products, GE Smallworld, Google Earth Engine)
- SQL, R & Python Programming (R Shiny, ArcPy Development)
- Git/VCS
- JMP: Statistical Software
- Electron Microprobe, SEM, & Risk Mapping
- Adobe Product Suite
- Microsoft Office Suite

WORK EXPERIENCE

Atmos Energy   **Franklin, TN**
GIS Specialist   *Aug 2020 – Present*
- Map natural gas pipelines for the KY, TN, & VA region using GE Smallworld and Esri Products in conjunction with Locusview GPS software
- Unearth new information of our networks including discovering old purchased pipe still in use not previously mapped and running analyses to create efficient ways for the pipe to be utilized
- Communicate with teams of GIS professionals as well as operations and engineers to accurately record and digitize our natural gas transmission and distribution systems
- Coordinate with operations and engineering to solve complex spatial problems on large scale projects in high impact areas bearing in mind regulatory requirements and safety concerns
- Report to GIS and operations managers on findings regarding incongruities in our network
- Aid field employees by providing resources and support to any jobsite where uncertainties may arise

University of Tennessee   **Knoxville, TN**
Geological & GIS Research Assistant   *May 2018 – March 2020*
- Estimated age of hydrological sulfate systems on Mars using logarithmic models built from analyzing analogues in Hawaii and Iceland using R data science packages such as dplyr and ggplot for data visualization
- Created erosion potential maps using GIS & presented research at department and university meetings for department heads in Geology, Geography, and Engineering
- Built interactive geospatial heatmap web app using R Shiny package from water chemistry data pulled directly from USGS servers to allow faster visualization and analysis of ion concentrations anywhere in the US