

I seek to **discover and tell the stories within data** through **ethical data science**, geographic information systems, data engineering, and compelling design to inform better decisions and **improve the lives of people**.

Education

Enrolled Master of Analytics, 2020 – Summer 2023 | 3.8 GPA

Georgia Institute of Technology. Selected Coursework:

- ISYE 6444 **Simulation**
- MGT 6203 Data Analytics in Business
- CSE 6040 **Computing for Data Analytics**
- ISYE 6740 **Machine Learning / Computational Data Analytics**
- CSE 6242 Data and Visual Analytics
- MGT 6727 **(Data) Privacy** for Professionals
- MGT 8823 Data Analysis for Continuous Improvement

Master of Public Administration, 2013

GIS Certificate (Graduate Level)

Wright State University | Dayton, Ohio

- Graduate Research Assistant
- Dialysis transportation practicum with IRB Approval

B.A. Anthropology, 2011

Hendrix College | Conway, Arkansas

Senior Data Analyst, 2021 – Present

City of Dublin, Ohio | Division of Performance Analytics

- Perform data analytics for the Office of the City Manager and other decision makers to improve city services.
- Create and manage full **data engineering pipelines to business intelligence** dashboards and analytical reports.
- Improving work processes through business intelligence and **Geographic Information System (GIS)** tools
- Create **Extract Transform Load** processes between enterprise systems with Python and commercial software (FME)
- **Certified ASQ Six Sigma Black Belt**, Lean Six Sigma process improvement projects

GIS Coordinator, 2019 – 2021

City of Marysville, Ohio

- Managed citywide enterprise GIS and strategic direction of geospatial solutions at the city.
- Improved utility operations with field mobile applications and dashboard analytics
- Public engagement through creation of open data portal and applications such as historic maps, cemetery management
- Aerial mapping program as drone pilot for construction projects

Geospatial Solutions Architect, Lead 2016 – 2019

City of Sandy Springs, Georgia (InterDev, LLC contractor)

- Team Lead of GIS department, **supervised two staff**
- Manager of enterprise GIS including ArcGIS Server, databases, and GIS web applications
- System administrator for public works asset management software including SQL web dashboards and GIS integration
- Manager of GIS deployment for Emergency Operations Center (EOC) on multiple events

GIS Analyst, 2014 – 2016

Forsyth County, Georgia

Technical Skills & Training

- **Machine learning algorithms** for classification, clustering, and predictive analytics and their appropriate applications (i.e., linear, logistic, and time-series regression, PCA, KNN, K-means, SVM, GMM, Random Forest) in Python and R
 - **SQL**, SQL Server, PostgreSQL, **Python** (pandas, scikit-learn, NumPy), HTML, JavaScript, database design
 - Certified Six Sigma Black Belt by American Society of Quality
 - ETL and **data engineering** in code and commercial software (FME)
 - **Data visualization & design**, Tableau, cartography, enterprise GIS, spatial analysis, web GIS, emergency management
 - **Data Privacy** GDPR, CCPA, ADA, HIPAA
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Professional Engagement & Awards

- Presenter, 2022 FME User Conference
- Co-Chair, Regional Information and Data Group (Columbus) 2021
- **Winner, Healthcare Hackathon**, 2018 Pitney Bowes
- People's Choice, Interactive Map, 2021 Ohio GIS
- Exemplary Systems in Government Award, 2017 URISA

Volunteer Work

- Poll worker, Franklin Ohio County Board of Elections
- Georgia URISA Board of Directors: Vice President 2019, Subchapter Chair, 2018
- GISCorps for Hurricane Harvey, 2017
- CarpoolVote.com web map development, 2016
- Georgia STEM Day at Tucker Middle School, 2018