Richard Lee

GIS & Enterprise Systems Analyst
Wilmington, NC

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Professional Summary

GIS and enterprise systems professional completing a Master's in Geospatial Information Science and Technology (MGIST) with hands-on experience supporting ArcGIS Enterprise, spatial databases, automation, and data-driven applications. Strong background in geospatial analysis, system integration, technical documentation, and user support within operational and public-sector environments.

Core Technical Skills

Enterprise GIS & Databases
ArcGIS Enterprise (Server, REST, Data Store) • ArcGIS Pro • ArcGIS Online • PostgreSQL/PostGIS • Enterprise geodatabases • GIS service publishing

Programming & Automation
Python (ArcPy, scripting, automation) • SQL (queries, joins, schema design) • ETL-style workflows • Data validation & QA/QC

Systems & Collaboration
System monitoring & troubleshooting • User access & permissions • Technical documentation & training • Cross-department collaboration

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Education

North Carolina State University
Professional Science Master's — Geospatial Information Science & Technology (MGIST)
Expected Spring 2026

Relevant Coursework: Spatial Analysis, Python Geoprocessing, Spatial Statistics, Project Management, ArcGIS Maps SDK for JavaScript, R

Selected Graduate Projects

- **ArcGIS Enterprise Deployment:** Configured ArcGIS Server and integrated services with PostgreSQL/PostGIS; managed publishing, access controls, and performance considerations.

- **Enterprise Web GIS Application:** Developed a front-end application consuming GIS services for operational data access and visualization.

- **Spatial Analytics:** EV charging network optimization and multi-temporal forest cover change analysis.

Professional Experience

New Hanover County Schools — *STEM / Technology Educator*
2014 – Present

- Delivered instruction in GIS, computer science, and engineering technologies, including ArcGIS Online, Python, JavaScript, HTML, and CSS.

- Designed and supported data-driven projects involving spatial analysis, automation, and technical troubleshooting.

- Supported users with software configuration, system access, and problem resolution.

- Developed and maintained technical documentation and instructional resources.

- Collaborated with administrators and staff to support technology-driven initiatives.

Prior Technical & IT Experience *(selected)*
Enterprise systems support, technical training, and customer-facing technical assistance in higher education and industry environments.