James F.L. Thompson

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WORK EXPERIENCE

Palmer Engineering   **Aug. 2022 – Present**
GIS Analyst   *Winchester, KY*
- Generate detailed maps for various reports using a variety of mapping and graphic softwares.
  - Softwares: *ArcGIS Pro, ArcGIS Online, Blender, QGIS*
  - Models and analyses of various geospatial features are also routinely generated.
  - Professional portfolio can be found in the header and [here](#).
- Conduct analyses of transportation-based geospatial data for safety improvement strategies.
  - Includes tools such as Linear Referencing, 3D and Spatial Analyst, and Location Referencing.
- Manage, create, and implement a variety of geospatial data for use in analyses.
- Conduct field site assessments and identify jurisdictional waters for project permitting.
- Used field mapping technologies to collect data (*ArcGIS Field Maps + Eos Arrow 100 GNSS Receiver*).
- Collect drone photographs and videos for mapping and project proposals.
- Conduct traffic noise assessments via field measurements and modeling software (TNM 2.5).

Northern Kentucky University   **Apr. 2022 – Aug. 2022**
Stream Restoration Specialist   *Highland Heights, KY*
- Conducted stream, wetland, and riparian buffer restoration and construction.
- Conducted assessment of stream type and condition using various techniques.
- Trained and utilized student employees and contractors in above tasks.

NV5 Geospatial   **May 2019 – Apr. 2022**
Senior GIS Technician | Jan. 2022 – Apr. 2022   *Lexington, KY*
- Maintained accurate point cloud classifications of LAS data to USGS specifications.
- Analyzed digital elevation and surface models for inaccuracies and corrected data.
- Prepared projects in various softwares for team members.

GIS Technician | May 2020 – Jan. 2022
- Prior to my promotion to Senior GIS Technician, I maintained accurate LAS and orthographic imagery data.

EDUCATION

University of Kentucky   **Anticipated Graduation Date: Spring 2026**
M.S. Digital Mapping   *Lexington, KY*
Eastern Kentucky University   **May, 2020**
B.S. Geology and GIS   *Richmond, KY*
- Magna Cum Laude (*3.7/4.0 GPA*)

CERTIFICATIONS, SKILLS & INTERESTS

- **Certifications:** sUAS Remote Pilot (*FAA, Part 107*)
- **Skills:** Dedicated; self-motivated; optimistic; rapid learner; Proficiency using various Esri Products (*ArcGIS Pro, ArcGIS Online, ArcGIS Field Maps*); *QGIS Adobe Illustrator*; *Eos Arrow 100 GNSS*, Programming languages: *JavaScript, Python*; excellent written and verbal communication skills; exceptional team member
- **Interests:** judo, MMA, weightlifting, hiking, trail running, rucking, cartography, geology