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Professional Experience

- **Maysville Community and Technical College (MCTC) - Rowan County Campus** (October 2017 - Present) *Workforce Development Specialist - Unmanned Systems Technology Program Coordinator* - Working with grant funding to establish a workforce development and academic program geared to provide **drone training** (ground school/flight school, and **geospatial post-processing**) at the community-college level & developing curriculum about **acquiring, manipulating, and analyzing geospatial datasets** to generate meaningful insights.
- **TKTMJ, Inc** (March 2014-March 2015) *Construction Manager* - Managed crews and developed **construction workflows/ data pipelines** and **cost estimates** for fast-paced heavy civil construction while performing **QA/QC** onsite during construction activities.
- **Sader Power Enterprises LLC** (March 2011-November 2013) *Director of Technical Operations* - Managed teams that developed **data workflow** and **analytical protocols** for residential solar operations, including **geospatial analysis** to identify ideal neighborhoods for bulk solar installation and marketing.
- **Louisiana-Haiti Sustainable Village Project** (January - March 2010) *GIS Technician / Urban Planner* - assisted UN staff in **assembling and acquiring timely GIS resources** including aerial imagery. Performed **onsite mapping** of potential IDP encampments across the region to determine site suitability in post-earthquake Haiti in adherence to SPHERE standards.
- **Make It Right Foundation** (March 2009-March 2011) *Urban Planner/Landscape Architecture Intern/GIS Technician* - Developed and maintained **GIS resources** to support and inform C-level decision-making and site sustainability designs for this residential rebuilding effort.
- **Thalweg Studio** (January 2009-June 2009) *Project Manager/Partner* - Developed **GIS resources** and designed wayfinding map and signage for Prospect.1 Art Biennial.
- **Futureproof/Sustainable Architecture LLC** (January 2008-January 2009) *Landscape Architect intern/GIS Technician* - Performed **GIS-based site analysis**, site design, and construction documentation for resiliency and sustainability projects at many scales.
- **Concordia Architecture and Planning** (January 2007-January 2008) *Landscape Architect Intern/GIS Technician* - Assembled and developed **GIS resources** and performed **GIS-based site analysis**, site design, and construction documentation for a range of environmentally-sensitive projects. Additionally assisted with various **master planning** processes in post-Katrina New Orleans, generating multimedia presentation materials and **facilitating** dozens of community planning meetings.
- **UKY Dept of Landscape Architecture** (Summer - Fall 2006) *Undergraduate Researcher* - Performed Stream Visual Assessment Protocols throughout UK's Robinson Forest and assisted with the **manipulation and analysis of geospatial data** for Kentucky Land Education And Research - KLEAR

Certifications: FAA Remote Pilot - sUAS

Professional References

- Rich Donohue - Prof. - New Maps Plus Program - UKY - rgdonohue@uky.edu
- Brittany Corde - Dir. of Workforce Solutions - MCTC - brittany.corde@kctcs.edu
- Austin Allen - Prof of Land. Architecture - LSU - austin.allen811@gmail.com
- Brian Lee - Assoc Prof of Land. Architecture & NRES - UKY - blee@uky.edu

Portfolio link: <https://rakatko.github.io/portfolio-ritchie/>