

Kyle M. Roebling

(334)-531-5476
kroebling@outlook.com

Education

Bachelor of Science in Meteorology (University of South Alabama)

Degree Completed: Fall 2011

(Concentration in Environmental Meteorology)

Minor: Geography

GPA: 3.67 (Cum Laude: Fall 2011)

Honors: Dean's List (Fall 2007-Fall 2011), Bay Area Scholarship (Fall 2006 - Spring 2007)

Advanced GIS Capstone Certificate (University of Wisconsin-Madison)

Certificate Anticipated: Dec 2019

GIS Work and Experience

GIS Analyst: Montgomery, AL (Dixie Electric Cooperative) (Oct 2018 – Current)

GIS Mapping/Technician: Montgomery, AL (Dixie Electric Cooperative) (Dec 2012 – Oct 18)

Job Responsibilities Include:

- Updating and maintaining the ArcSDE Database.
- Running quality control and validations on electric components, electric network and land base geodatabases.
- Responsible for exporting and correcting GIS model for use in Engineering Analysis and Outage Management System
- Creating and updating Futura Field Pro Mobile Maps and Futura Catalyst Web Maps
- Administrator of the ArcGIS online account
- Providing GIS technical support to Staking Engineers and other staff.
- After hours on call supervisor for power outages and billing issues
- Provide Weather Forecasts for extreme weather events

GIS Work and Experience

GIS Technician: Fort Rucker, AL (CALIBRE SYS Inc.) (May 2012 –December 2012)

Job Responsibilities Include:

- Updating and maintaining the Fort Rucker Training Division ArcSDE Data.
- Running quality control and topology on military geodatabases.
- Providing GIS technical support to Fort Rucker divisions.
- Creating geographic analysis in support of military training ranges and surface danger zones.
- Updating and maintaining Command Tracker which is a GPS program used to track positions of personnel on Army ranges.
- Completed Intermediate Range Safety Certification Course given by Army and Marine Corps

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GIS Work and Experience

Student Assistant in GIS: University of South Alabama Utilities Department (June 2011-April 2012).

Job Responsibilities Include:

- Creating and Programming Web Maps with JavaScript API and Google Maps API.
- Maintaining and Updating shapefiles for University of South Alabama Campus utilities.
- Digitizing CAD drawings into shapefiles.
- Using handheld GPS to create waypoints of water valves and manholes.
- Designing the Glenn Sebastian Nature Trail Kiosks Maps.
- Creating visitor maps for USA campus.
- Updating parking lot availability numbers for fall of 2011.

Meteorology Work and Experience

Internship: Coastal Weather Research Center Mobile, AL (Summer 2010)

Worked under the supervision of Dr. Bill Williams and Mr. Jason Holmes

Job Responsibilities Included:

- Analyzing and interpreting upper air weather charts daily.
- Issuing weather alerts and warnings to clients located in Alabama, Florida and Mississippi.
- Research of coastal temperature variations in Mobile County during winter months of 2010.
- Helped with software development of Client Alert and Polygon Issuance Expiration System (PIES)

Conferences Attended

Futura GIS Users Conference: Atlanta, GA (2012,2013,2014,2016,2017,2018,2019)

Alabama 811 Summit: Montgomery, AL (2018)

Central Alabama GIS Day: Montgomery, AL (2014,2018)

Alabama GIS Conference: Orange Beach, AL (2019)

Conference Presentations

Central Alabama GIS Day: (November 2014) "Dixie Electric GIS Department"

Southeastern Coastal and Atmospheric Processes Symposium: Spring 2007

- Presented a team poster analyzing the synoptic and mesoscale processes involved in the Enterprise, AL Tornado

Memberships

Geographic Information Systems Association of Alabama (2018)

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GIS Courses

- Geocomputing (University of Wisconsin-Madison)
- Graphic Design in Cartography (University of Wisconsin-Madison)
- Introduction to GIS (University of South Alabama)
- Applications in GIS Environmental (University of South Alabama)
- Applications in GIS Business (University of South Alabama)
- QGIS Introduction Workshop (North River Geographic)
- Python Programming Bootcamp Zero to Hero (Udemy)
- QGIS 3.0 for Professionals (Udemy)

Skills

- ArcGIS/QGIS
- Futura GIS Extension
- Spatial Analyst
- 3D Analyst
- ArcGIS Online
- Python Programming
- Adobe Illustrator
- Adobe Photoshop
- HTML/CSS

References

Brandon Johnson (*Vice President of Engineering and Operations*)
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