**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 Completed: Dec 2019**

**Master of Science in GIS & Web Programming (University of Wisconsin-Madison)**

**Degree Completed: Aug 2021**

**GPA** 4.0 (Suma Cum Laude: Summer 2021)

**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.

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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:**

**-** Maintaining and Updating shapefiles for University of South Alabama Campus utilities. - 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 & Virtual (2012 - 2021)

**Alabama 811 Summit:** Montgomery, AL (2018)

**Central Alabama GIS Day:** Montgomery, AL (2014,2018, 2019)

**Alabama GIS Conference:** Orange Beach, AL (2019)

**ESRI International Conference**: Virtual (2020)

**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-Current)

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**Skills**

- ArcGIS/QGIS

- Futura GIS Extension

- Spatial Analyst

- 3D Analyst

- ArcGIS Online

- Python | Metpy | Pandas | Cartopy | Flask

- Adobe Illustrator

- Adobe Photoshop

- HTML/JS/CSS

- PostgresSQL/PostGIS

- Boostrap

- CARTO

**References**

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

Dixie Electric Cooperative

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Dr. Sytske Kimball (*Earth Sciences Department Chair*)

University of South Alabama

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