



## Hailey R. Thomas

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### EDUCATION

#### **Bachelor of Science, Computer Science**

**May 2025**

*Geographic Information System (GIS) Minor*

University of Houston – Clear Lake, Houston, TX

GPA: 3.33

Relevant Coursework: Design of Database Systems, Data Structures & Algorithms, Web App Development, Computer Organization and Assembly Language, Computer Science I & II, Probability and Statistics for Scientists and Engineers, Operating Systems, Software Engineering, Digital Circuits, Fundamentals of GIS

#### **Associate of Arts, General Studies Cum Laude**

**May 2023**

Alvin Community College, Alvin, TX

GPA: 3.58

Activities and societies: Phi Theta Kappa Mu Upsilon Chapter (February 2019 – May 2021)

Relevant Coursework: Learning Framework, Business Computer Applications, Public Speaking

### PROJECTS

#### **Mississippi Power Company Automation Device Count Power BI Dashboard**

**July 2023 – August 2023**

- This project showcases my expertise in data analytics and proficiency in Power BI and Oracle SQL Developer to streamline and optimize power distribution systems. It features all MPC's Automated Capacitor Banks and Total Count, Automated Reclosers and Total Count, Automated Regulators and Total Count, Fuse Count Switch Gears and Total Count, Total Trip Savers Count, SHN Customer Count, SHN Feeder Count, Total Customer Count (CUST), MPC & ATT Poles Data, SHN Recloser Count, Total Number of Feeders & Feeders on SCADA, Transformer Count, Total Number of Distribution Substations, and Transformer Bank Count.

#### **Mississippi Power Company FAES Power BI Dashboard**

**May 2023 – August 2023**

- I completed over 5500 work orders and edited the DistGIS ArcMap using GIS.
- The primary goal of the MPC Facility Addition Electric System (FAES) Form completion project was to edit, add, and remove features on the DistGIS ArcMap from work orders received from service men and line crew.
- I leveraged my GIS and workflow automation expertise using tools like ArcMap. I also utilize my strong problem-solving skills to identify accurate locations and interpret work orders.

#### **Tkinter with Python**

**December 2021 – January 2024**

- I created a To Do List, a Clock, a Tic Tac Toe game, a Hang Man game, a Rock Paper Scissors game, a Pong Game, a Music Discovery Platform: Celebrating Black Artists, and a Calculator using Python.

#### **Girl Scouts of San Jacinto Council Gold Award – “Petextrian Safety”**

**October 2021**

- <https://www.petextriansafety.com/>

### EMPLOYMENT

#### **Power Delivery – Tech Support Intern**

**May 2023 – August 2023**

Mississippi Power Company – Gulfport, MS

- Utilized Oracle SQL Developer to create queries assigned by management, effectively extracting and manipulating data.
- Designed Power BI dashboards using SQL assigned queries, providing insightful visualizations for data analysis.
- Assisted with adding, removing, and updating features on ArcMap using GIS, contributing to accurate and up-to-date mapping.

### ORGANIZATIONS

National Society of Black Engineers (NSBE)

**August 2021 – Present**

Society of Women Engineers – Houston Area (SWE-HA)

**January 2022 – Present**

Girl Scouts of San Jacinto Council (Gold Award, Silver Award, and Bronze Award Recipient)

**August 2009 – May 2022**

### SKILLS

**Software:** Microsoft Office, Adobe Creative Suite, Google Suite, Eclipse (Java), IDLE (Python), Astah (UML), VS Code (HTML5 & CSS), ArcMap, Oracle SQL Developer (SQL), HeidiSQL, ArcGIS

**Skills:** Data Visualization, Analytical Skills, Geographical Mapping, Data Understanding, Project Planning

**Programming Languages:** JavaScript, Java, Python, SQL, HTML5, CSS, VHDL

**Certifications:** Accenture Data Analytics and Visualization Virtual Experience, PwC Switzerland Power BI Virtual Case Experience, Mimo SQL Certificate of Achievement, Esri Training: GIS Basics