

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: 3.34

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)

PROJECTS

Mississippi Power Company Automation Device Count Power BI Dashboard

July 2023 – August 2023

- Developed a Power BI Dashboard for Mississippi Power Company, demonstrating proficiency in data analytics using Power BI and Oracle SQL Developer.
- Optimized power distribution systems by providing insights into Automated Capacitor Banks, Reclosers, Regulators, Fuse Count Switch Gears, Trip Savers, SHN Customer and Feeder Count, MPC & ATT Poles Data, SHN Recloser Count, Feeders on SCADA, Transformer Count, Distribution Substations, and Transformer Bank Count.

Mississippi Power Company FAES Power BI Dashboard

May 2023 – August 2023

- Completed over 5500 work orders and edited the DistGIS ArcMap using GIS.
- Edit, added, and removed features on ArcMap from work orders received from service men and line crew.
- Created a Power BI dashboard displaying data collected while completing FAES forms.

Tkinter with Python

December 2021 – January 2024

- 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.

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, IDLE, VS Code, ArcMap, Oracle SQL Developer, HeidiSQL, ArcGIS, RStudio

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

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

Certifications: Accenture Data Analytics and Visualization Virtual Experience, PwC Switzerland Power BI Virtual Case Experience, Mimo SQL Certificate of Achievement, Codecademy Learn SQL Course Certificate, Codecademy Learn R Course Certificate