

Hailey R. Thomas

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EDUCATION

Bachelor of Science, Computer Science

December 2024

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, Advanced GIS, Intro to Telecom and Networks, Programming Language Concepts, Advanced Data Structures and Algorithms, Data Analytics Fundamentals

Awards: Joyce Delores Taylor Award, BSA Recognition Award

Organizations: Black Student Association (Volunteer and Event Coordinator), Circle of Sisters (Member)

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 | *Power BI & Oracle SQL Developer*

- 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 Customer Outage Summary Dashboard | *Power BI*

- Developed a Power BI Dashboard for Mississippi Power Company, demonstrating proficiency in data analytics using Power BI and Oracle SQL Developer and ensured the solution offers contextually appropriate feedback for different selection scenarios, enhancing user experience and reporting accuracy.
- Linked slicers to key performance indicators (KPIs) including totCustActive, percentRestored, TotCustExperiencingOutage, TotCustRestored, totEventsActive, and TotalOutages values.
- Implemented adjustments to accommodate user-selected date ranges and specific hourly intervals for enhanced data analysis and developed a dynamic Power BI measure to display custom titles reflecting user-selected date and time ranges, providing formatted summaries including 'Storm Start Time' and 'Report Time' based on slicer selections.

Mississippi Power Company FAES Power BI Dashboard | *Power BI & Oracle SQL Developer*

- Completed over 7800 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 | *Visual Studio Code & Python*

- 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, a Song Generator celebrating Black artists and a Calculator.

EMPLOYMENT

Power Delivery Tech Support Intern

May 2023 – August 2023 & June 2024 – August 2024

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.

SKILLS

Software: Microsoft Office, Google Suite, Eclipse, IDLE, VS Code, ArcMap, Oracle SQL Developer, 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, Mimo HTML Certificate of Achievement, Mimo Python Certificate of Achievement

ORGANIZATIONS

National Society of Black Engineers (NSBE) – APEX Member & Attended NSBE49

Rewriting the Code – Black Wings Hacks 2024 Hackathon Attendee

Code First Girls Student

AdaMarie Student Ambassador

ColorStack Fellow

Blacks in Technology Foundation Member (Houston Chapter)

August 2021 – Present

May 2023 – Present

May 2024 – Present

January 2024 – Present

May 2024 – Present

May 2024 – Present