ETHAN THOMAS GAPAY

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SKILLS

- Python, Pandas, SQL, Excel, Power BI, Jupyter Notebook
- MySQL, PostgreSQL, MariaDB, MSSQL
- Data Modeling, Database Design
- Customer Service experience
- Experience in presentation and public speaking
- Able to work in a team effectively

EDUCATION

Bachelor of Science in Computing and Information Technology, *summa cum laude*
Rochester Institute of Technology, 2020 - 2024
Concentration – Databases, Web Development

PROJECTS

Regional Sales Dashboard – *https://egapay.github.io/omni-goods-dashboard/*
- Designed and developed a Power BI dashboard for stakeholders, showcasing sales data using KPIs, bar graphs, area charts, and tables to drive data-driven decision-making.
- Analyzed and visualized over 10,000 orders from an Excel dataset, effectively presenting key metrics like sales performance and regional trends for a fictional e-commerce company.

Blackjack Odds Analysis – *https://egapay.github.io/blackjack-analysis/*
- Created a data analysis project on 5 million hands of blackjack, exploring strategies, odds, and outcomes to identify optimal player and dealer scenarios.
- Leveraged Python, PostgreSQL, and Power BI for data transformation, database design, and visual insights to answer key questions on winning percentages and strategy effectiveness.
- Documented a complete analysis pipeline, from dataset exploration to statistical conclusions, highlighting insights into blackjack strategies.

Top Steam Game Analysis – *https://egapay.github.io/steam-game-analysis/*
- Conducted a data analysis project to explore the top 100 Steam games since March 2009, identifying key factors contributing to their success.
- Showcased full analysis pipeline including data extraction, transformation, and loading (ETL) followed by visualization and insights generation.

Margo's Dream Foundation Website – *www.margosdreamfoundation.com*
- Developed website for non-profit organization to allow users to learn more about the foundation. Regularly collaborated with stakeholders to gather feedback and approval for design decisions.

PROFESSIONAL EXPERIENCE

JANUARY 2024 – DECEMBER 2024
ITS Network Communications Student Worker, ROCHESTER INSTITUTE OF TECHNOLOGY.
Member of the ITS Network Communications team, assisting with maintenance of school's network.
- Troubleshooting wireless access points to ensure reliable connectivity for students across campus.

JULY 2023 – DECEMBER 2023
Technical Consultant Engineer Co-Op, CISCO SYSTEMS INC.
Member of the Technical Assistance Center team, working specifically in the Service Provider: Cable/Access technology team to provide technical support to Cisco's customers through support tickets.
- Developed automation script, alerting over 100 incorrect ASR-900/920 series cases entering the queue, reducing manual routing errors. Recorded data in MongoDB database to be used for analytics.
- Delivered multiple presentations to team members covering both technical and soft skills.

AUGUST 2022 – APRIL 2023
Systems Administrator Intern, QUALITY VISION INTERNATIONAL
Member of the IT team, responsible for resolving support tickets, facilitating System Administration projects and operational tasks.
- Created proof-of-concept full-stack inventory tracker application using MySQL back-end and Python front-end.
- Automating daily tasks using Python creating scripts to streamline emails reports reducing turnaround time.