Barbara Kavanaugh

✉ iambarbara22@gmail.com

📞 443-377-6253

📍 Baltimore, MD

🔗 linkedin.com/in/barbara-kavanaugh

🔗 github.com/Barbara-Kavanaugh

PROFESSIONAL SUMMARY

Analytical and results-driven professional with a strong ability to transform data into actionable insights. Comprehensive understanding of statistical analysis and data visualization tools such as SQL and Power BI. Dedicated to leveraging data-driven strategies to drive success and innovation.

EDUCATION

Loyola University Maryland
Baltimore, MD • 05/2023

Bachelor of Science in Computer Science

Maryvale Preparatory School
Brooklandville, MD • 05/2019

High School Diploma

COMPUTER SKILLS

Programming Languages: SQL, JavaScript, Python, Java, C

Development Tools: Visual Studio Code, Jupyter Notebook, Power BI

Database Management: Oracle, SQL Server Management Studio, MongoDB, MariaDB

CERTIFICATIONS

Generative AI Fundamentals
Databricks • 04/2024

EXPERIENCE

AssuredPartners - Data Analyst

Hunt Valley, MD • 12/2024 - 02/2025

- Delivered actionable insights within a 90-day contract by leveraging Python for accurate data analysis of 1095 reporting, enhancing decision-making effectiveness
- Performed in-depth analysis of 1095 forms using Pandas to ensure precise reporting and adherence to regulatory compliance standards
- Uncovered key trends and patterns in complex 1095 datasets, improving reporting efficiency and bolstering data-driven decision-making

The Whiting-Turner Contracting Company - Towson, MD

Analytics Technician • 05/2023 - 05/2024

- Designed and executed complex PL/SQL queries in Oracle to extract, manipulate, and manage data, ensuring efficient data processing and integrity
- Utilized Python libraries (e.g., Pandas, Seaborn, Matplotlib) for data visualization and machine learning model development, driving actionable insights
- Created dynamic reports and dashboards in Power BI, integrated with an Oracle back-end, to deliver real-time data analysis and support decision-making

Analytics Technician Intern • 02/2023 - 05/2023

- Contributed to data modeling, schema development, and SQL query optimization using Microsoft Access and SQL Server Management Studio to enhance database performance and structure
- Supported the migration of Microsoft Access data from on-premises storage to a Microsoft Remote Desktop Environment, ensuring seamless data transition and accessibility

Federal Bureau of Investigation, FBI - Teen Academy Intern

Baltimore, MD • 07/2018 - 07/2018

- Participated in investigative and law enforcement training sessions led by FBI Special Agents and Language Specialists, gaining insights into federal law enforcement operations
- Observed Firearms Training Unit demonstrations conducted by SWAT Team members, enhancing understanding of tactical procedures and safety protocols

PROJECTS

Maryvale Alumnae Network

- Designed and developed a MERN Stack (MongoDB, Express.js, React, Node.js) application for Maryvale Preparatory School alumnae, enabling profile creation, classmate connections, and interaction with job and message boards to foster networking and engagement

Ethereum Casino

- Designed and built a Roulette Wheel game using Solidity and React, integrating Testnet Ethereum to enable secure, blockchain-based casino gaming for users