MARIAH NORMAN
DATA ANALYST

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ABOUT ME

I am an analytical thinker passionate about public health and improving patient care based in Nashville, TN. As a scientist, with experience in cancer research, I aim to leverage my analytical eye in order to capitalize off of potential missed opportunities to positively drive change in the overall patient experience. I aspire to use my expertise as a data-driven decision-maker to drive actionable insights in my next role.

EDUCATION

Nashville Software School:
Data Analytics Certification
Washington University in St. Louis:
B.S. in Biology and Minor in Anthropology

SKILLS

PostgreSQL, Python, Dashboarding (Power BI, Tableau), Google Apps (Docs, Sheets, Slides), Google Suite, Microsoft Office Suite, Problem Solving, Critical Thinking, Scientific Research

DATA ANALYTICS EXPERIENCE

Nashville Software School | Intensive Full-Time Data Analytics Bootcamp
Data Analyst Apprentice | January 2022 - April 2022
- Analyzed datasets in Excel using VLOOKUP's and pivot tables, and connected to external sources using PowerPivot
- Retrieved and analyzed datasets containing multiple tables in PostgreSQL using ER Diagrams
- Created and presented visualizations in Excel, Power BI, Tableau, and PowerPoint

Projects
- Nashville City Cemetery | Excel: Analyzed a dataset of the Nashville City Cemetery to discover more about Nashville's rich history with the intention of suggesting new events and ways to draw in more visitors. Presented findings using a slide deck created in PowerPoint.
- Lahman Baseball | PostgreSQL: Analyzed a dataset consisting of 23 tables to answer in-depth questions about player statistics and unique facts about baseball history.
- GDP and Internet Usage | Python: Explored GDP Per Capita and internet usage data in Jupyter Notebook and used seaboard and matplotlib to create graphical representations of the data.

PROFESSIONAL EXPERIENCE

Washington University School of Medicine | Biochemistry and Drug Discovery Laboratory
Laboratory Assistant & Research Technician II | June 2019 – September 2021
- Designed and implemented synthetic routes using retrosynthesis and procedures gathered from thorough literature searches to create desired compounds
- Collaborated with colleagues from numerous labs to create synthetic routes for novel compounds
- Analyzed and identified chemical compounds using HPLC/MS and NMR to ensure that the desired product was present and pure
- Performed various synthetic organic chemistry reactions such as acetylation, ester hydrolysis, ring-closing metathesis, and amide couplings
- Synthesized protease inhibitors for testing as anticancer agents

Inova Schar Cancer Institute | Drug Discovery Laboratory
Intern | August 2020 – September 2020
- Deciphered the effectiveness of various drugs on eradicating cancer calls and/or angiogenesis using IC50s and scratch assay on LCC9, HEK 279, and MDA – 4175 cell lines
- Researched the latest articles dealing with cancer research to increase knowledge about current drug discoveries and ideas

George Warren Brown School of Social Work
Research Assistant | January 2018 - May 2018
- Coded and organized qualitative data in order to analyze transcripts of interviewees to identify common themes and determine correlations between health, race, and stress
- Conducted literature reviews to inform current research and discussions on the social determinants of health.