CONTACT

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Location: Chicago, IL

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Portfolio: samantharaynor.dev/

EDUCATION

Master of Science in Health Informatics *2021-08-11 - 2023-05-09*
University of Illinois at Chicago

Bachelor of Science in Biology *2016-08-08 - 2020-09-18*
Loyola University Chicago

SKILLS

Technical Skills

Sql, Python, Data analysis, Healthcare analytics, Data visualization, Power bi, Tableau, Exploratory data analysis, Quality improvement initiatives, Performance improvement, R, Microsoft excel, Sas, Healthcare data analytics, Statistical analysis, Data mining

Soft Skills

Detail-oriented, Analytical, Collaborating, Develop dashboards and visualizations, Analytical thinking, Problem-solving, Attention to detail, Communication skills, Team collaboration, Time management, Adaptability, Critical thinking, Project management, Stakeholder engagement

PROJECTS

Predicting Patient Readmission Risk *2023-01-01 - 2023-03-05*

Used logistic regression to identify patients at high risk of 30-day hospital readmission. Tech: Python, Scikit-learn, Pandas, Jupyter samantharaynor.dev/readmission-risk

CERTIFICATIONS

Certified Health Data Analyst (CHDA) *2023-07-05*
American Health Information Management Association (AHIMA)

HIPAA for Healthcare Professionals *2023-01-30*
Udemy

Samantha Raynor

Data Analyst - Healthcare Operations

PROFESSIONAL SUMMARY

Data Analyst with 3 years in healthcare analytics, skilled in SQL, Python, and Tableau. Proven track record in developing dashboards, identifying care gaps, and supporting quality improvement initiatives for enhanced patient outcomes.

EXPERIENCE

Data Analyst *2023-07-04 - Present*
Mercy Hospital & Medical Center • Chicago

- Enhanced healthcare data analysis using SQL and Python, resulting in a 30% increase in the identification of care gaps and operational inefficiencies.
- Developed and implemented interactive dashboards using Power BI, improving data visualization clarity and supporting a 15% increase in performance.
- Collaborated with interdisciplinary teams to interpret large datasets, facilitating advancements in patient outcomes by providing actionable insights.
- Conducted exploratory data analysis that achieved a 20% reduction in data processing time, optimizing healthcare operations and quality improvement.

Data Intern - Clinical Quality *2023-01-19 - 2023-09-06*
Cook County Health • Aurora

- Analyzed large healthcare datasets using SQL and Python to identify care gaps, enhancing patient outcomes by 15% through targeted interventions.
- Developed interactive dashboards with Power BI, improving clinical teams' performance monitoring and driving a 20% improvement in quality metrics.
- Collaborated with interdisciplinary teams to conduct exploratory data analysis, resulting in actionable insights that streamlined operational processes by.
- Assisted in quality improvement initiatives by providing data-driven recommendations, leading to a 25% reduction in operational inefficiencies.

Medical Records Coordinator *2020-08-12 - 2021-08-30*
Oak Street Health • Michigan

- Streamlined medical records management by implementing data organization techniques, enhancing data retrieval efficiency by 30% and ensuring compliance with.
- Collaborated with interdisciplinary teams to identify care gaps and operational inefficiencies, contributing to performance improvement initiatives in.
- Analyzed large datasets to support quality improvement initiatives, leveraging SQL and Python to deliver actionable insights that increased operational.
- Developed and maintained dashboards and visualizations using Power BI and Tableau, enabling clinical teams to monitor key performance indicators effectively.

PUBLICATIONS

Samantha Raynor, Dr. Alan Chen, Priya Mehta. (2023-03-04). *Predictive Modeling for 30-Day Hospital Readmission in Diabetic Patients*. Journal of Biomedical Informatics. 10.1016/j.jbi.2023.104352

Samantha Raynor, Dr. Lisa Kim. (2022-10-20). *Evaluating NLP Techniques for Analyzing Patient Sentiment in Post-Discharge Surveys*. JMIR Medical Informatics. 10.2196/32789