**Alex Clark**

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**EDUCATION**

**St. John Fisher University Rochester, NY**

*Master of Science, Data Science 2020*

**RESEARCH AND PRESENTATIONS**

**2022 AMIA Annual Symposium, Washington D.C. Nov 2022**

*Presentation: Quantifying Clinical Decision Support Across Pediatric Intensive Care Units*

**Careers in Data Science, Rochester NY Oct 2022**

*Presentation: Data Science Journey*

**Digital Health Innovation Track, Rochester NY Sept 2022**

*Presentation: Data Visualization*

**PUBLICATIONS**

* 2023 American Medical Informatics Association Abstract, Building a Cloud-hosted Web Solution to Simplify Query Development for Federated Studies
* 2023 American Medical Informatics Association Abstract, Predictive Model External Validation using a Novel, Probabilistically Linked Multicenter Pediatric Dataset
* 2023 American Medical Informatics Association Abstract, Identifying Nonactionable PICU Alarms Using Novel Bedside Button System
* 2023 American Medical Informatics Association Abstract, Development of Digital Educational Ecosystem for Graduate Medical Education in Internal Medicine
* 2023 Critical Care Congress Abstract, Quantifying Passive Clinical Decision Support and Reducing Laboratory Result Fatigue
* 2022 American Medical Informatics Association Abstract, Quantifying Clinical Decision Support Across Pediatric Intensive Care Units
* 2022 Pediatric Academic Societies Abstract, GJ Express: A multidisciplinary approach for decreasing utilization of sedation and anesthesia for gastrojejunostomy (GJ) exchanges

**PROFESSIONAL EXPERIENCE**

**University of Rochester Medical Center, Health Lab Rochester, NY**

*Senior Data Scientist May 2021– Present*

***Project: Alarm Fatigue***

* Developed visualizations in Tableau to convey alarm fatigue metrics across patient units.
* Utilized R and Python to create pipelines to wrangle and store data for visualization use.
* Developed an R Shiny application to share code across institutions for consistent querying of electronic health records.
* Conduct user testing for Tableau visualizations.
* Collaborate with other institutions to gather data on PICUs for a consortium.

***General Data Analytics***

* Determines data requirements for projects including gathering and cleaning methods
* Determines the most appropriate format for users to consume the data (raw, tables, graphs, dashboards)
* Analyzes how a new solution interacts with or enhances existing solutions and how future solutions may benefit from the design

**PROFESSIONAL CERTIFICATES**

**EPIC - Cogito 2021**

**EPIC - Caboodle 2021**

**EPIC - Clarity Data Model 2021**

**AWS - Cloud Practioner 2019**

**PROFESSIONAL AFFILIATIONS**

**American Medical Informatics Association *2022 - Present***