**Mariya Marjuka**

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**PROFESSIONAL SUMMARY**

Skilled data analyst with more than 4 years of industry experience, proven ability to translate strategic vision into actionable plans and make decisions using data, analytics, and business knowledge. Energetic presenter, excellent verbal, and written communicator. Creative in finding solutions to complex problems and determining modifications for optimal use of organizational data. Expert at providing realistic projections. Organized and timely in providing reports on specific data findings and their impact on organizational growth and success.

**SKILLS**

* **Programming Languages:** SQL, Python - Pandas, NumPy, R
* **Data Management:** SQL - MySQL, PostgreSQL, and Access
* **Data Visualization:** Tableau and Power BI
* **Data Analysis:** Excel, SPSS, Stata, Jupyter Notebook, RStudio
* **Quant skills:** stats, predictive modelling, hypothesis testing
* Detail oriented, strong communication skills, agility

**PROFESSIONAL EXPERIENCE**

**East Coast Anesthesia**,New York, NY **| *Data and Enterprise Analyst*** 05/21 - Present

* Develop data-driven framework for 9 doctors’ offices that increased revenue and timely insurance claim submission by 150%
* Analyze 18,000 medical claims submitted to different insurances to identify most profitable insurance plans generating high revenue
* Create insightful dashboard with Tableau for stakeholders on most profitable surgeons’ offices whose patients and insurances gave higher payments to maximize company profit, income potential and help prioritizing doctors’ offices
* Identify actionable insights from data analytics to redesign payment collection from insurance and patients for efficient billing

**Baruch College, Marxe School of Public and International Affairs**, New York, NY **| *Graduate Research Assistant*** 09/19 – 05/21

* Built nonprofit database using Excel by analyzing IRS SOI data on 501 (c3) organization’s 990 forms for 1982-2020
* Effectively blended and cleaned data in Excel and STATA to get the right insight on nonprofit revenue, type, budget, expense variation
* Using SQL, identified relations among change in nonprofit revenue, activities, budget every 10 years from variable crosswalk

**Grameenphone Ltd,** Dhaka, Bangladesh **| *Business and Research Analyst*** 05/17 - 08/19

* + Collected quantitative data (features) from popular apps in Excel to develop understanding of customer behavior, demographics,

and lifecycle, performed comparative analysis on local and international apps, produced visual presentation to help guide decision

* + Performed case study of video entertainment app industry (YouTube, Iflix, Bioscope, etc.), compared each app, and made business model on how to improve Bioscope further from the rest
  + Supported analytic teams explaining unanticipated variations from expected sales performance and behaviors and providing recommendations to sales management
  + Presented detailed reports on meaning of gathered data to members of management and help them identify scenarios utilizing

modifications in data

**RELEVANT PROJECTS**

**COVID-19** OCT 2021

* Performed data analysis in SQL to classify hospitalization and death rate change over time in US, based on patients’ demographic, vital sign measurements, and vaccination. Analyzed vital test values to extract pattern among the patients

**Health Insurance Subscriber Data Model** JUL 2021

* Used analysis and visualization tools such as SQL, Excel, and Tableau to analyze data and draw accurate and reliable conclusions to provide insights

**Immunization Database** MAY 2021

* Created a database, forms, reports using SQL and PostgreSQL for children in NYC containing immunization information. It collects basic family information and information at the time of birth and proceeding immunization records. It would generate a vaccination report, tabulate all the child's vaccination records with their information and individual child's full record

**AI Hackathon Competition** FEB 2021

* Managed team workload as a team coordinator to reach targets for specific tasks. Developed a health app that can have all the medical records in one place. It seamlessly connected patients’ medical records with their caregivers with consent. Our team became the finalist in the Healthcare AI Hackathon, 2020

**EDUCATION**

**Baruch College, Marxe School of Public and International Affairs**, New York, NY **| Master of Public Administration**  05/22

* Coursework: Google Data Analytics Professional Certificate**,** Policy Analysis, Research and Analysis, Program Evaluation, Communications in Public Setting, Health care policy, Public and Nonprofit Management, Budgeting, Organizational Behavior
* Pi Alpha Alpha Honor Society, Marxe Endowed Faculty Fellowship, Marxe International Scholar, Study Abroad in France (Spring ‘21)

**University of Dhaka**, Bangladesh **| Bachelor of Social Science (BSS) in Public Administration** 12/17

* Regional Champion 2019 NASPAA Competition on migration, Merit-based scholarship for cumulative highest marks