

# Rui Zhu

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## SKILLS

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**Programming Language:** Python (PySpark, Pandas, NumPy, seaborn, Matplotlib), SQL

**AWS:** EC2, S3, DynamoDB, EMR (Apache Spark)

**Tools:** MS Office (Word, PowerPoint, Outlook, Access, Excel (functions, VLOOKUP/XLOOKUP, Pivot Tables, graphs, dashboards, Power Query)), SQL Server, SSMS, PowerBI, Tableau, dbt, Google BigQuery

## PROFESSIONAL EXPERIENCE

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**Enrollment Data Analyst II**, Elevance Health (New York) May 2023 – Present

- Generate reports providing enrollment metrics and for reconciliation purposes:
  - Various reports involved in maintaining and reconciling of plan enrollment information on the New York state assessment website; ensuring accuracy of information to be above 95%.
  - The enrollment rate of referrals submitted from each partnered homecare vendor.
  - The list of members missing relevant documents pertaining to enrollment for further follow-up by the enrollment specialists.
  - The list of consumers that declined to enroll due to rejection of plan of care.
- Participate in UAT of new and existing applications.
- Data entry and various administrative duties

**Customer Service Representative**, Healthfirst (New York) Oct 2019 – Feb 2023

- Answering, resolving, and documenting member inquiries in a timely manner by utilizing provided software programs (Salesforce, BizTalk, Maccess, MHS, Ontact, TruCare) while complying with HIPAA compliant policies.
- Working knowledge of health insurance processes/terminologies such as but not limited to: 834 files, plan benefits, appeals/grievances, deductible, claims, copayments/coinsurance, capitation, coordination of benefits, premium payments/refunds, demographic information update.
- Working knowledge of NYSOH Marketplace/ACA plans (Qualified Health Plan, Essential Plan, Child Health Plus), Medicaid Managed Care, Managed Long Term Care plans (including Medicaid Advantage Plus), and Medicare Advantage plans.

## PROJECTS

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**Medicare Physicians and Others 2022**

- Exported the 2022 data, CSV file, for Medicare Physicians and Others payment to SQL Server using SSMS and T-SQL. I normalized the data and queried for insight.
- <https://github.com/piepiepies/2022partBphysiciansothers>

**NPI and Taxonomy Database**

- Utilized Python (pandas, numpy, pyodbc, sqlalchemy, bcpandas, and others) and SQL to export NPI and taxonomy data from CSV to SQL Server via SSMS.
- <https://github.com/piepiepies/npidatabase>

**Predictive Modeling for Medicare Payments**

- Exported 6 years of claims/payments data for outpatient physicians from CMS to develop a machine learning model utilizing linear regression through PySpark ML pipeline to attempt to predict the amount of money Medicare will spend for each state.

## EDUCATION

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**Baruch College**

New York, NY

**BBA in Computer Information Systems, Data Analytics**

June 2023

**Minor in Philosophy and Minor in General Marketing**

*Relevant Coursework: Database Management, Data Mining for Business Analytics, Data Warehousing for Analytics, Programming for Analytics, Data Visualization, Big Data Technologies, Statistics (Business Statistics, Regression and Forecasting for Business Applications)*