

# Rui Zhu

(347)-327-8301 | rayzhu24@gmail.com | github: <https://github.com/piepiepies>

## SKILLS

---

**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

---

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

- Reconcile/update plan data on external governmental site to maintain above 95% accuracy.
- Improve the overall enrollment process efficiency by identifying frequently occurring issues and ensuring proper follow-ups/resolutions.
- Create Excel reports/pivot tables for certain enrollment metrics, workload tracking/insight, reconciliation purposes, and other ad hoc requests.
- 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, HIPAA compliant manner by utilizing provided software programs (Salesforce, BizTalk, Macess, MHS, Ontact, TruCare).
- 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

---

**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

---

**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)*