**Name, address, phone, email**

**sandrahu008@gmail.com**

**KEY QUALIFICATIONS AND SKILL SETS**

* Strong analytic skills, critical thinking, business acumen, attention to details, creative problem-solving.
* Experience in working with executives on data analysis projects to reduce costs, win clients etc.
* **ETL**: Alteryx, Power Query, data warehouse; **Data wrangling**: Python, advanced SQL Query;
* **Data Modelling**: Advanced Excel, Python statistical analysis, Machine Learning, root cause analysis.
* **Visualizations and storytelling**: Tableau, Power BI, Python Seaborn; **Cloud**: Snowflake.

**WORK EXPERIENCE**

**Senior Data Analyst**

**Freelance Projects and Career Development Queen, NYC** 8/2020- present

**Projects:**

1. **NYC DOT violation Data Analysis:** Identified process improvement for the client by analysing DOT Violation data using Tableau and Excel Power Query. When implemented, reduced the penalty by 30% within 1 month.
2. Automatized the financial reporting process for the client using Power Query, Alteryx. Reduced the project lead time by 20% when overseeing the projects by delegating tasks to engineering team, liaison with the clients, general contractors, vendors, and government divisions (DOB, DEP).
3. **Air BNB Washington D.C host data analysis using Python and Alteryx:** Scraping data from website**,** ETL using Alteryx, EDA,visualization, using machine learning to develop a profile-based recommendation system, where users’ future trips are predicted on the basis of their past trips and preferences.
4. **Amazon customers data analysis using Python:** customer behaviour, feedback from customer, sentiment analysis, how Amazon recommend product.
5. **Uber New York Data using Python:** rush hour in NYC, most active uber base, in depth analysis of uber trips.
6. **Hotel booking data analysis using Python:** geomap for guests’ home town. Preference of guests, price vary across year, length of stay, bookings by market segment.
7. **US Stock data analysis using Python:** web scrapping, API, Back testing/ Forward testing of Investment Strategies, index tracking.
8. **Personal Loan application data analysis using Python: what kind of person( income, education,**

**will apply for the loan?**

**Alteryx projects:**

1. State Tax automating process;
2. Fixed assets;
3. Transaction Analysis, City of Somerville, MA.

**Bootcamps:** Python, Alteryx, Power Query; Cloud: Snowflake, Salesforces.

**Career break:** 2018 to Sept. 2019 in China due to personal reason; in 2020 due to pandemic.

**Business Intelligence Analyst**

**PWC** **Contractor** Dallas, TX, USA 8/2015 - 8/2017

* Worked with cross-function teams to gather business requirements, define KPI, design and create dashboards to analysis U.S. taxation forms such as S-Corp, financial statements, investments using

Power BI and Tableau.

1. Used Python, SQL to conduct data extracting, loading, cleaning, data mapping, statistical analysis. building predictive models’ regression, classification.

**Senior Data Analyst**

XXXX Marketing company USA 2/2014- 5/2015

* Upgraded the company reporting system from Excel to relational SQL database within 1 month.
* Successfully won a new client by building predictive models using R and SQL to analyze big

data sets provided by the client and uncover potential patrons.

* Evaluated and monitored marketing campaign effectiveness by monthly reports.
* Presented analytical results to non-technical people and recommmended actions to executives.

**Cost Analyst**

XXXX manufacturing company USA 4/2012 – 1/2013

* **Automated the time-consuming manual freight approval process**, saving the freight bill approval time by 34 hours weekly and improving the accuracy to 99%; dramatically reducing the past due bills thus upgrading the credit ranking among vendors for better freight rate.
* **Saved $48,000 annually in freight expense** by conducting data analysis to help the company negotiate with the biggest carrier for lower freight rates.
* Built quantitative models to estimate accrual and project future expense for budgeting.

**Data/Quantitative Analyst**  10/2008 - 7/2010

xxxxx University, USA (*Concurrent with college study/20 hours per week*)

**EDUCATION**

Master of Science