

Yize Xie

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EDUCATION

Columbia University , New York, NY	Expected Dec 2023
Master of Science in Applied Analytics, GPA: 3.98/4.3	
<ul style="list-style-type: none">Coursework: Machine Learning, Database Systems, Data Visualization and Storytelling, Big Data, Research Design	
University of Colorado Denver , Denver, CO	Sep 2019 – May 2022
Bachelor of Arts in Economics, GPA: 3.85/4.0, with Distinction – Cum Laude; Minor in Math	
<ul style="list-style-type: none">Coursework: Econometrics, Statistical Theory, Causal Inference, Linear Algebra, Marketing Strategy, Game Theory	
China Agricultural University , Beijing, China	Sep 2018 – Jun 2022
Bachelor of Economics, GPA: 3.72/4.0	

SKILLS

Programming	R, Python, SQL, Stata
Tools	PySpark, Hive, MS SQL Server, MongoDB, Power BI, Tableau, Jupyter Notebook, Excel, PowerPoint
Analytical Skills	Machine Learning, Statistical Analysis & Modeling, Predictive Modeling, Text Mining, Causal Inference

PROFESSIONAL EXPERIENCE

Nestlé – People Analytics Intern ; Beijing, China/ Currently Remote	Jun 2023 – Expected Dec 2023
<ul style="list-style-type: none">Built ETL pipelines and Power BI dashboards to monitor key people metrics and dive deep to understand driversBuilt BI system to produce weekly auto-updated reports for senior leaders to evaluate people performance and costsBuilding a survival analysis model to measure the risk of attrition and losing key talents and help workforce planning	
Google – Part-time Assistant ; Beijing, China	Nov 2021 – Dec 2021
<ul style="list-style-type: none">Conducted research on China Export E-Commerce B2B Market, studied research reports on China's new cross-border export B2B e-commerce industry, and investigated B2B websites to summarize the structure and popular categoriesResearched China export data to analyze the most potential cities in the international B2B market and made recommendations on locations to build experience centers	
Pearson – Business Analyst Intern ; Beijing, China	Jun 2021 – Aug 2021
<ul style="list-style-type: none">Pulled data from databases and built dashboards with Tableau to visualize sales, revenue, and orders dataCollected, visualized and analyzed data from social media platforms and online webinars, made suggestion on content quality control, advertising, and sector optimization. The followers of the official account on WeChat grew by 8%, the click rate on articles increased by 12%, and the attendance number of webinars increased by 15%	
Sri Lankan Airlines Beijing Office – Passenger Sales Assistant Trainee ; Beijing, China	Jul 2019 – Aug 2019
<ul style="list-style-type: none">Collected air ticket prices and occupancy rates of competitive airlines and agents, created Excel pivot tables for off-peak seasons by flight segment, studied air ticket price trends for each flight segment to help price adjustmentsOrganized customer data and updated customers with latest business information	

COURSE PROJECTS

Columbia University – Building a database for a grocery chain company (PostgreSQL)	Jun 2023 – Aug 2023
<ul style="list-style-type: none">Based on the ER schema design and Normalization plan, developed a SQL database that can store and update dataImplemented the ETL pipeline in PythonWrote complex SQL queries to get insights about sales, products, and vendors, and visualized results in Metabase	
Columbia University – Building a data processing system for NYC motor vehicle collisions data	Jan 2023 – Apr 2023
<ul style="list-style-type: none">Developed the PostgreSQL database and the ETL pipeline to process 1 million+ rows of data in Python with PySparkBuilt a web page with a simple search engine using Streamlit	
Columbia University – Evaluating the effects of in-store music on customers' shopping behaviors	Sep 2022 – Dec 2022
<ul style="list-style-type: none">Proposed a randomized experiment to study the effects. Used R to simulate data to help planning and run statistical analysis, for example, adjusting sample size to improve statistical power and calculating two-sample t tests	
Columbia University – Predicting music rating based on auditory features	Nov 2022 – Dec 2022
<ul style="list-style-type: none">Built machine learning pipelines and used XGBoost model to predict music rating, achieving an RMSE less than 10	