

CONNIE (YE) XU

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PROFESSIONAL SUMMARY

High-performing student in Quantitative Social Science Research MA program with a passion for data research in social science contexts. Goal-oriented individual with data- and business process audit experience.

SELECTED PROFESSIONAL AND PROJECT EXPERIENCE

Columbia University, New York

Research Assistant, Sociology Department

January 2021 - Present

- Utilized Machine Learning and Natural Language Processing concepts as well as common statistical measures (e.g., Spearman's Correlation, Mean Average Precision) to identify instances of workplace discrimination from user-generated company review data.
- Compiled weekly reports, dashboards, and visualizations summarizing results of data cleaning and modeling.
- Leveraged Python functions to clean and infer missing resume data for over 20 million resumes.

Teaching Assistant, Machine Learning

May 2021 - June 2021

- Supported Machine Learning professor by developing supplementary lecture materials for accelerated summer courses to help students grasp basic concepts of Machine Learning using Jupyter Notebook and Google Co-Lab.
- Supported Python novices by teaching them to debug errors in their code during open office hours.
- Developed key metrics for grading using previous work and overall student performance as baseline data.

Research Assistant, History Department

May 2021 - June 2021

- Utilized common data visualization tools from R (e.g., ggplot2 and google maps API) to develop charts and graphs demonstrating the flow of research for use in official scholarly publications and academic journals.
- Communicated with History professor to ensure satisfactory deliverable within the specified two-week deadline by sending drafts biweekly and by setting up meetings as-needed to ask clarifying questions.

Robert Half International, Minneapolis

Salaried Professional Consultant

June 2018 - July 2020

- Completed process documentation and testing for communication to management from a variety of industries to ensure compliance with federal and business regulations (e.g., Sarbanes-Oxley).
- Conducted walkthroughs with client management to gain understanding of business and financial processes, documenting key processes in written narrative and flowchart formats.
- Facilitated consistent document and information sharing between audit team and client managers through the daily maintenance of task and issues dashboards.
- Compiled testing results into comprehensive reports identifying weaknesses and areas for process improvement.

KPMG, Minneapolis

Salaried Professional Consultant

Sept 2016 - May 2018

- Planned, coordinated, and implemented control and substantive testing for a number of Fortune 500 and Fortune 100 companies and organizations.
- Leveraged Microsoft Excel and KPMG proprietary software as appropriate to clean up, select samples for, and summarize financial data for testing.

EDUCATION

Columbia University | MA | Quantitative Methods in the Social Sciences | Data Science Focus

New York, NY | December 2021 | GPA: 4.00

Selected Courses: Data Visualization | Machine Learning | Data Analysis | Social Stratification & Inequality | Social Networks

University of Minnesota | BSB | Accounting and Marketing

Minneapolis, MN | May 2016 | GPA: 3.94 | Summa Cum Laude

Awards: National Merit Finalist | Projects: Undergraduate Thesis Highest Honors | Selected Courses: Operations Management, Management Information Systems

SKILLS

StatsPlus | STATA | R (ggplot, dplyr, plotly, ggmaps) | Python (NumPy, SciKitLearn, Pandas, Matplotlib) | SQL | HPC Job Processing | Bash | Github | Microsoft Suite (PowerPoint, Visio, Excel, Teams) | Google Suite | Adobe Creative Suite (Adobe DC, Photoshop, Illustrator) | Certified Public Accountant (Inactive) | CITI and HIPAA Trained | Survey Design | French