

## LUYU (CASSIE) JIN

444 Washington Blvd • Jersey City, NJ 07310  
(360)310-9331 • lj1035@nyu.edu

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As a first-year master candidate in data science at New York University, I would like to extend my interest in the Data Scientist Intern position available at Bombora. With extensive experience in machine learning, big data practice and statistical analysis, I am confident in my ability to fulfill the requirements of this role.

During my undergraduate studies at the University of Rochester, the combination of systematic courses in econometrics, applied statistics, and computer science has equipped me with solid skills in using Excel, STATA, SAS, JMP, R and Python to conduct statistical analysis and perform time-series forecasting. Alongside my coursework, I endeavored to complete several research projects in fields including housing, macroeconomics, and public health. These research experiences not only deepened my understanding of statistics and econometrics principles, but also honed my programming and analytical ability to construct regression models, conduct residual and inferential analysis, and visualize corresponding findings. In addition to the above, my professional experiences at Citibank, Siemens, and ABB Group demonstrate my leadership, interpersonal and team building skills. You will also find that I readily take ownership of challenging projects and assignments.

Currently, through taking courses about machine learning and big data analytics at NYU, I can proficiently transform real world problems into data mining problems, implement various machine learning algorithms to approach these problems, and deal with large amounts of data via MapReduce, PySpark and MySQL. Additionally, I have been intensively involved in working with Python (scikit-learn, pandas, NumPy, matplotlib, TensorFlow).

I firmly believe I have the personal drive and technical knowledge necessary to be successful in this role. I look forward to the opportunity to further express both my interest and qualifications through formal interview processes. Should you have any questions regarding my qualifications, please notify me at your earliest convenience. Thank you in advance for your consideration.

Sincerely,

Luyu (Cassie) Jin