

**Zixiao Wang**  
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Dear Hiring Manager:

I am a second-semester Information System graduate student. And I am writing to express my interest and apply for the job listing for a Strategic Sourcing coop internship, which I found on Northeastern NUCareer. After doing self-research and having more detailed consultation in the career fair, I find that the advantages organizations experience through strategic sourcing; its process and factors that drive its automation. And I believe my skills and knowledge in the data analysis field can do a good job at processing optimization automation.

I have worked as a part-time coffee master in Starbucks for 8 months. I have seen the frontline environment of many dairy products. During that time, I have assisted the store manager by using Oracle ERP to make statistics of sales data, management of store material deployment. So, I'm sure I can learn how to use SAP very quickly.

As a data analyst, I have solid knowledge in data analysis (Bayes estimation, Gaussian process, MOM, MLE, Machine learning, etc.). My technical expertise includes the SQL data process, a strong foundation in programming languages Python and Java. Besides, based on the conversation with a manager in the career fair, I got information that there are some scenarios that need optimization like dealing with transform data. So, for this problem, I can use Jupyter notebook (which is a python-based notebook editor) to process data in a proper way and make a graphic report to explain the result for others.

I'm major in Information systems. But I discipline myself as a data analyst. I took Data Science Method and Tools in the first semester and got an A grade. For now, I'm studying in the Advanced Data Science course and gain further knowledge about statistical learning and reinforcement learning. In addition to theoretical knowledge learning, I did a project that use maximum likelihood estimation and random forest to predict PM2.5 data from 7 sensors of Beijing, which was selected as excellent course work.

I am looking forward to discussing this opportunity further with you. You can contact me at (571)306-9240 or wang.zixi@husky.neu.edu. Thank you for your time and consideration.

Sincerely,

Zixiao Wang