**Company Overview**

Who are we? We research, develop, and manufacture the world's most advanced inspection and measurement equipment for the semiconductor and nanoelectronics industries. We enable the digital age by pushing the boundaries of technology, creating tools capable of finding defects smaller than a wavelength of visible light. We create smarter processes so that technology leaders can manufacture high-performance chips—the kind in that phone in your pocket, the tablet on your desk and nearly every electronic device you own—faster and better. We're passionate about creating solutions that drive progress and help people do what wouldn't be possible without us. The future is calling. Will you answer?

**Qualifications**

* Pursuing BS degree
* Proven experience with one of the following programming languages required (C, C++, Python, R, or Java).
* Proficient in SQL, shell scripting and Unix/Linux command-line tools.
* Strong communication and visualization skills; create powerful visualizations to transform data into easily-consumable, actionable insights.
* Knowledge of and curiosity about latest trends in data industry, including evaluating and testing new tools, techniques and frameworks.

**Zixiao Wang**

349, Pleasant St, Malden, MA

(571)306-9240 | [wang.zixi@husky.neu.edu](mailto:wang.zixi@husky.neu.edu)

Hiring Manager

KLA

 2727 West Frye Road - Suite 110  
Chandler, Arizona 85224

Dear Hiring Manager:

I am writing to express my interest and apply for your job listing for a Strategic Sourcing coop internship, which I found on Northeastern NUCareer. So after doing self-research and having more detailed consultation in career fair, I find that the advantages organizations experience through strategic sourcing; its process and factors that drive its automation.

After one years’ in-depth study in this field, I am more determined than ever that I have made the right decision in my life: to be a professional in the data analysis field and explore new application using artificial intelligence to improve company decision making. In the short term, I would like to work as a data analyst. In the long run, I will keep forging ahead and finally become a data scientist.

As a research assistance, I joined in a project on glass intelligent creation system under professor Chengming Zou’s guidance. The project came from the industry requirements. As a team, We developed the system in cooperation with the experts in glass manufacture. After the data analysis, we decided to study temperature control in the melting and annealing process in glass manufacturing. Then I dived into the algorithm implementation. I read some related papers. At the beginning, I adopted the method of combing deep learning and reinforcement learning. In reinforcement learning, a simulation environment with wide coverage is needed to train the model. By sequence similarity analysis and studying the relationship between temperature and controlled variables, finally, I realized the simulation with Long Short-Term Memory. I felt so excited to make it and went on other tasks.

And as a data analyst, my technical expertise includes SQL extraction, Excel data process, strong foundation in programming languages Python and Java. Besides, I have advanced knowledge of data analysis (Bayes estimation, Gaussian process, MOM, MLE, Machine learning, etc.) KLA is well known for having an extremely strong data processing organization. And this is what excites me about working at KLA. I am eager to face the challenges to develop creative and innovative data process solution for KLA.

I look forward discussing about this opportunity further with you. You can contact me at (571)306-9240 or [wang.zixi@husky.neu.edu](mailto:wang.zixi@husky.neu.edu). Thank you for your time and consideration.

Sincerely,

Zixiao Wang

Ask for a Job Referral

Dear Hiring Manager,

I recently completed Professor Dino Data Science Method and Tools course and he highly recommended that I speak to you to get your advice and suggestions as I begin my job search. I will be graduating from the Northeastern University with a Master of Science in Information in June, 2021.

I am interested in working in data analysis, and your work at KLA. especially interests me because of its strong data processing team in the field and the opportunity to work on complex matters with a diverse client base. Through co-op I gained experience completing due diligence for data pre-processing, including SQL excretion and model build. I would really appreciate it if we could set up a 20 to 30 minutes meeting, at your convenience, to discuss any advice and suggestions that you might have as I begin my job search. I look forward to hearing from you.

Sincerely,

Zixiao Wang

Respond to the Employer Interview Email Request:

Dear Hiring Manager

Thank you for your response, And I am available on Monday, Tuesday, Friday at 12pm-4pm. Please let me know if the appointment has been scheduled.

Sincerely,

Zixiao Wang