

Alexander Morton

February 9, 2022

Position: Associate Machine Learning Engineer, 2022 Graduate

Dear Hiring Team,

I wanted to create this cover letter to outline my experiences that may go beyond my resume, and to explain why I think this opportunity fits the career path I want to go down. To be transparent, I don't have much practical experience with Machine Learning. I've researched it and am currently in a course that teaches its concepts, but in terms of hands-on practice, I'm lacking. Despite this, I'm very eager to learn more and use it to take my database and data science experience to the next level. I'm looking for an opportunity that can provide a culmination of these skills in a dynamic environment that may force me to struggle through new things.

I created the following table to better outline some of the requirements for the position, as well as my experience with each:

| Your Requirements | My Qualifications |
|--|---|
| Experience building data science applications and machine learning pipelines | <ul style="list-style-type: none">• Completed in a local data-thon analyzing large datasets in R• Link to project video showing our findings and a locally hosted website I created using HTML and CSS to creatively display our project: https://www.youtube.com/watch?v=aak8YHDt904• Helped teach Tableau skills as an Undergraduate Teaching Assistant in the Math Department at UNC-Chapel Hill• Currently enrolled in a Data Science course to further my abilities |
| Proficiency in Python | <ul style="list-style-type: none">• Self-taught Python with API and JSON tie-ins• Example: https://github.com/alexmorton1212/Compatibility |
| Proficiency in Java, Kotlin, or Scala | <ul style="list-style-type: none">• Much of my coursework is based in Java and JavaScript• Devised algorithms (Binary Search Trees, Dijkstra's, etc.) in Java• Created the following website as a JavaScript project: https://studypomodoro.herokuapp.com• Built Nintex Workflows at Leidos with JavaScript components |
| Experience in one or more SQL languages such as PostgreSQL, Redshift, MySQL, etc | <ul style="list-style-type: none">• Created a Data Dictionary at Leidos to define database structures and organize key relationships using Microsoft SQL Server• Received additional training in SQL and Microsoft Access at Leidos• Currently enrolled in a course that teaches MySQL and PHP• Performed ETL at Nationwide by cleaning and researching consumer records and loading them into a new system |
| Knowledge of common machine learning architectures, frameworks, and concepts | <ul style="list-style-type: none">• Currently enrolled in a course called "Optimization with Applications in Machine Learning" to better my understanding |

I believe my desire to find a balance of my passions and develop as a professional with skills I've yet to encounter makes me well-suited for the Associate Machine Learning Engineer position. Thank you for your time and I look forward to hopefully elaborating even further why I would be a great fit for Atlassian.

Sincerely,
Alex Morton