Dear Hiring Manager,

I'm excited to apply for the position of Senior Data Scientist at Mozilla. I spoke with Megan McCorquodale, one of your Data Scientists, and she recommended that I apply for the job. We worked together at Mobify while I was doing an internship during my Master's degree. It was great working with her then and I would be excited to work with her again! I also think this position sounds both challenging and interesting --- and a great place to further my career!

I believe my education and work experiences will allow me to be an asset to the team. My Master's degree in Computer Science, specializing in Information Visualization, forced me to spend a couple years diving deep into finding the best ways visually to provide analytical insights about massive datasets to various stakeholders. A major aspect of that process was learning how to translate a stakeholder's (often unclear) requirements into refined analytical questions. My degree also helped enhance my skills as a presenter; communicating results in a clear and effective manner is a key component to data analysis and working with stakeholders!

Working in the tech industry as both a Data Analyst and a Data Scientist at Kabam, a mobile gaming studio, has taught me valuable skills that I believe would translate well to this role. As an analyst, I learnt how to work with a wide range of teams including game design, marketing, and finance, to answer their analytical questions, define success metrics, introduce new telemetry, and help influence many of their decisions. I refined my technical skills through continuously querying massive databases (SQL) and building Tableau dashboards to provide insights, understand player behaviour, evaluate A/B split tests, and help monitor long-term trends in key features in the game. I also uncovered the joys of automation by developing Python scripts to automate regular, small tasks saving a lot of my own time to focus on more difficult problems!

As a Data Scientist, I learnt how to identify, scope, and drive data science projects from conception to completion. I led a project whose goal was to "offer the right item to the right player at the right time and at the right price" in one of Kabam's major mobile games. I was responsible for the conception of the idea, design of the experiment to collect the data, the creation and evaluation of machine learning prediction models, working with engineers to design and test new technology, and the design/implementation of several split tests. The models were successfully deployed in game resulting in significantly higher conversion on every offer. Most recently, I have had the opportunity to witness the power of using an event streaming platform. I worked with Google Pub/Sub and Dataflow to build a pipeline to get real-time data (for the first time at Kabam) needed for deploying models in-game that require a player's current state for accurate predictions.

My attached resume contains a more detailed work history. If you have any questions, feel free to contact me.

Hope to hear from you soon!

Kim