

Hi,

My name is Ryan D'souza and I'd love to intern as a Software Engineer at Spotify this summer. I fell in love with Spotify a couple of years ago, and am now a Premium user who listens to a couple of hours of Spotify on a daily basis. When I drive, I listen to custom playlists created by Spotify, and when I'm at home, I jam out to songs on Spotify Radio –specific songs that are tailored to me based on Machine Learning *awesome*.

At Spotify, I'm most excited to join the Machine Learning, Backend, Data, or Mobile Development team. I believe my extensive experience in developing Android applications, using all paradigms of Java – most notably Object-Oriented - Python, and previous work experiences with analyzing large amounts of data will give me the experience and knowledge to tackle the challenges Spotify throws at me.

I'm most interested in joining Spotify's Machine Learning team because of my passion for Computer Science and Psychology – essentially using Machine Learning and Artificial Intelligence to predict human behavior. I think it would be awesome to have the opportunity to write an algorithm that identifies the correlation between music users like – indicated by listening to an entire song – and how it changes throughout the day and week, as well as how it changes with weather. Using that correlation, I can work with other Software Engineers to include it in the algorithm that determines the next song to play on Spotify Radio.

One of my ideas for an extensive main project as a Software Engineering Intern will be to make a certain kind of playlist that can be crowd-sourced. One Spotify user creates a public playlist, and other Spotify users can join the playlist by entering a certain passcode. Those users can then add songs to the playlist, or recommend songs to the playlist creator to be added. I strongly believe this type of playlist will be popular at social gatherings, parties, and any other time a group of users want to easily create a custom playlist.

I apologize for this long cover letter; I'm just excited about all of the fun and cool things I'll learn as a Spotify Software Engineering Intern. I hope I can make it to the next round of interviews.

Thank you for your time and for this opportunity

Ryan D'souza
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