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Dear Members of the Search Committee,

I am writing to apply for the advertised position of Assistant Professor of Data Science at the University of Michigan-Ann Arbor, School of Information. I am currently a postdoctoral investigator at the [Allen Institute for AI](#), working with [Professor Yejin Choi](#), and collaborating closely with researchers at the [University of Washington](#). I received my Ph.D. in Language and Information Technologies in May 2019, from [Carnegie Mellon University](#) working with [Professor Noah A. Smith](#) and [Professor Chris Dyer](#).

My primary interest is in Natural Language Processing, with a focus on building robust models of language, which can generalize across domains, genres and styles of text. Towards this end, my research incorporates varied sources of prior knowledge, via structural inference for linguistic priors, or data augmentation with respect to domain priors. In addition, my research addresses unwanted dataset biases prevalent in existing datasets, that can lead to overestimation of machine capabilities while preventing true generalization. My overall goal is to consolidate the above two directions via the design of algorithms and deep learning model architectures.

I believe that a responsible treatment of datasets and models must accompany advances in Artificial Intelligence. I hope my application materials demonstrate that I will bring a valuable research agenda to the University of Michigan-Ann Arbor, School of Information, and will facilitate collaboration across disciplines.

I look forward to an opportunity to connect with you about my application. Thank you for your consideration!

Sincerely,

Swabha Swayamdipta