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<Chair>
Faculty Search Committee [Chair]
Department of []
XXXXXX University
ADDRESS, STATE ZIP

Dear members of the faculty search committee:

In response to your faculty recruiting advertisement published by the ACM, I would like to express my full interest in being considered for your assistant professor position. I am currently a postdoctoral fellow with the Artificial Intelligence Group [and the Electrical and Computer Engineering Department] at the University of Toronto. During my years of graduate and postdoctoral work I believe I have gained hands-on understanding of teaching, conducting research, and obtaining funding in academia.

I considered applying to this Department because I am confident that I can bring my [research and teaching] experience and ideas in areas that are relevant to your Departmental objectives. Specifically, I have carried out substantial research work in machine learning and computer vision (including applications to graphics -NPR), and have gained valuable experience in related data mining areas such as bio-informatics and text analysis. [I am aware of related work performed by your faculty and chose to apply in part because my understanding of the field can be both relevant and complementary.] At the teaching level, I am prepared to teach classes such as machine learning and data mining, computer vision and graphics, currently in high-demand, as well as create new classes or specialized seminars in my areas of expertise.

As part of my future plans, I aim to deepen and expand my own line of research, helping to create new academic resources and infrastructure. I plan to approach key fundamental problems including new forms of approximate probabilistic inference, semi and un-supervised learning, new connections between machine learning and other mathematical fields, including but not restricted to information theory, differential geometry, convex analysis, physics and others. I am guided in part by strong ties with my application areas [now including bioinformatics]. These fields have already attracted external interest for collaboration with other institutions and continue/promise to draw substantial industrial and governmental support. I am constantly investigating new ideas for ground-breaking algorithms and concepts and I am looking forward to working in an exciting and progressive department.

I thank you for your consideration of my application.

Yours truly,

Rómer Rosales

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