

I am extremely enthusiastic to apply to the Department of Statistical Sciences. The University of Toronto is a leading institution where I would like to improve my skills and prepare for a successful scientific career.

I did my Bachelor's Degree in Statistics at *Université du Québec à Montréal* and I am currently a Master's student in Statistics at the same institution. Developing models and algorithms of clear practical importance is what fascinates me most about statistics and this is the main reason why I pursued further studies in this field. I always favored diversified courses during my studies, which led me to take several programming courses and explore the wide breadth of statistical applications.

My insatiable curiosity has always motivated me to participate in many research projects. During my studies, I was awarded two NSERC summer research internships supervised by Prof. François Watier about evaluation of sensitivities for risk measures and portfolio optimization. Moreover, I did another project in epidemiology under the supervision of Prof. Sorana Froda and Prof. René Ferland that led to a poster contribution at the 2017 Annual Meeting of the SSC. I also collaborated on several multidisciplinary projects with other scientists and fellow students. I participated in the 2018 Data Analysis Competition held at the Annual Meeting of the SSC and collaborated on a poster about regression for a biostatistics research day at McGill University among others. These research experiences strengthened my ability to learn quickly, provided me with early insight on how to communicate statistical results efficiently and also increased the scope of my interests. I thrive on challenges and I am always looking for new ones to satisfy my thirst of knowledge.

Throughout my organizational experiences, I have worked towards bringing people together and helping everybody feel at home in our community. My motivation has always been to encourage collaborative relationships. I also improved my communication skills by being a teaching assistant during my studies, which benefited me in my research projects. In the future, I would like to contribute to seminars and events organized by the department that allow graduate students to cultivate their curiosity and explore different perspectives. Mathematical abilities are very important in statistical research, but leadership skills are crucial for becoming a successful statistician and I am actively working on developing both.

Statistical learning, especially classification, is one of the many fields of study that stimulated me in which I want to deepen my knowledge during my graduate studies. I experienced implementing latent topic models during the 2018 Data Analysis Competition and I enjoyed working at the intersection of statistics and computer science. At University of Toronto, notable collaborations between multiple departments place the Department of Statistical Sciences among the best in North America. I would be most interested in approaching Prof. David Duvenaud and Prof. Daniel Roy for a potential supervision. I want to flourish with the best scholars in a vibrant environment with numerous interdisciplinary interactions between departments and Toronto is the best choice to pursue further studies.

My scientific career will surely involve carrying out large-scale academic or industrial research projects. That is why I have a burning desire to pursue graduate studies in Toronto, an institution that would provide me not only with a deep statistical formation, but with all the necessary tools for ultimately becoming a successful researcher and statistician.