

# Raymond Chiasson

<b>Contact Information</b>	Department of Economics 150 St. George Street, Toronto, Ontario, M5S 3G7	raymond.chiasson@mail.utoronto.ca <a href="http://www.raymondchiasson.com">www.raymondchiasson.com</a> <a href="https://github.com/RC416">github.com/RC416</a> (519) 722 – 3564
<b>Education</b>	Sept. 2021 – Present	<b>PhD (Economics)</b> University of Toronto
	Sept. 2020 – Apr. 2021	<b>MA (Economics)</b> University of Toronto
	Sept. 2015 – Apr. 2016	<b>Master of Management of Innovation</b> University of Toronto
	Sept. 2010 – Apr. 2015	<b>B.Sc. (Biochemistry, Co-op)</b> University of Waterloo
<b>Employment</b>	Aug. 2020 - Present	<b>Advisor</b> DRI Capital Toronto, Ontario
	Feb. 2019 – May 2020	<b>Director, Investment Team</b> DRI Capital
	May 2016 – Feb. 2019	<b>Analyst, Investment Team</b> DRI Capital
	Jan. 2014 – Aug. 2014	<b>Student Researcher</b> Harvard Medical School Boston, Massachusetts
	May 2013 – Aug. 2013	<b>Student Researcher</b> Abbott Laboratories Ottawa, Ontario
	Sept. 2012 – Dec. 2012	
	Jan. 2012 – Apr. 2012	<b>Science and Math Tutor</b> Centennial College Toronto, Ontario

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## Recent Projects

Ongoing	Penalized Sieve Estimation of Structural Models	RA work for Professor Yao Luo
Ongoing	Estimating informative and persuasive components of detailing to physicians	Term paper for course in dynamic discrete models
Ongoing	Various dynamic discrete choice models in Julia	Extension of course work
Jan. 2023	The IJC method and Bayesian MCMC	Extension of course work
Sep. 2022	DSGE programming benchmarks	Independent project
Jul. 2021	Optimized bidding strategy and associated microeconomic modeling for pharmaceutical drug royalty auctions	For DRI Capital as an independent advisor
May 2021	Implementation of BLP in Julia	Extension of course work
Apr. 2021	Using machine learning to predict the approval of pharmaceutical drugs based on earnings call transcripts	Term paper for course in machine learning
Feb. 2021	R code for discrete event simulations to estimate the economic impact of new healthcare technologies	With Professor Petros Pechlivanoglou
Dec. 2020	Impact of individual versus environmental effects on payments to physicians using a movers design	Term paper for Econometrics course
Aug. 2020	Using machine learning to identify drug investment targets	For DRI Capital as an independent advisor
Jul. 2020	Impact of contingent payments on R&D productivity	For Armentum Partners as an advisor
Jan. 2020	Patient simulation framework in Python to forecast pharmaceutical drug sales	Independent project
Nov. 2019	A novel investment strategy for drug development milestones and associated financial modeling in Python	Independent project

## Publications in Science

“The Use of Silk in Nanomedicine Applications”, chapter in “Nanomedicine. Advances in Delivery Science and Technology”, May 2016, 245-278.

“Targeted Nanoparticles Containing the Proresolving Peptide Ac2-26 Protect Against Advanced Atherosclerosis in Hypercholesterolemic Mice”, *Science Translational Medicine*, 7 (277), March 2015.

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<b>Programming Languages</b>	Julia, Python, C++	Advanced	<ul style="list-style-type: none"><li>• Able to write optimized and efficient code.</li><li>• Knowledgeable of relevant advanced language features and development tools.</li><li>• Completed major professional and independent projects.</li></ul>
	R, Matlab	Intermediate	<ul style="list-style-type: none"><li>• Completed large course projects.</li><li>• Familiar with relevant language features.</li></ul>
	Fortran	Beginner	<ul style="list-style-type: none"><li>• Translated code from one major project.</li><li>• Familiar with important language components: routines, modules, parallelization.</li></ul>