## Jason G. Rhinelander

Contact Information	3717 Route 101 Tracyville, NB	Citizenship: Canadian (613) 572-7442		
	E5L 1P3 rh https://imaginary.ca	inelaj@econ.queensu.ca		
Research Interests	Agent-based modelling; computational economics; intellectual p law and economics; behavioural economics.	-based modelling; computational economics; intellectual property; microeconomics; and economics; behavioural economics.		
Education	Ph.D., Economics, Queen's University, Kingston, ON (expected completion: 2018).	2011–present		
	M.A., Economics, Queen's University	2010 - 2012		
	B.A., Economics (Hon.), Computer Science (Maj.), Mathematics Mount Allison University, Sackville, NB	(Min.), 2006–2010		
Research	Inequality and Education: an agent-based approach (working pap	per) 2018		
PAPERS	Creativity amid piracy: an agent-based model of the incentives to	,		
	piratic digital world (working paper)	2018		
	Computationally efficient sampling from truncated multivariate r distributions (working paper)	formal and $t$ 2016		
	Voting simulation: an Eris application	2013		
	Critique and reimplementation of <i>Plümper and Martin</i> , "Multi-pe A computational model with abstention and memory	arty competition: 2013		
	Usage- versus cost-based pricing: lessons from the CRTC's Intern Master's essay, Queen's University	et regulations. 2012		
Presentations & Workshops	"Creativity under piracy: an agent-based modelling approach" Canadian Economics Association Annual Conference, Toronto Institute for New Economic Thinking, Complexity Workshop, Queen's Microeconomics Workshop			
	Institute for New Economic Thinking, Young Scholars Initiative	workshop 2014		
	"Creativity Amid Piracy", Atlantic Canada Economics Associatio	on Meetings 2009		
Research Software	Eris library for agent-based economic modelling. 2013– Open-source C++ library for modelling and simulating complex economic models. https://git.imaginary.ca/eris/eris			
	Creativity and piracy modelling software. 2014– Eris-based software implementation of "Creativity amid piracy: an agent-based model of the incentives to create in a piratic digital world" working paper. https://git.imaginary.ca/eris/creativity			
	pyeris, a Python interface to Eris.	2016-		
	https://git.imaginary.ca/eris/pyeris	2010		
	Core developer of "pybind11: Seamless operability between C++ https://github.com/pybind/pybind11	11 and Python" 2016–		
	Contributed Ziggurat-algorithm implementation of Exponential r generator and enhanced Ziggurat normal random number ger software library. (Included as of Boost 1.62.0). https://githu pull/23	nerator to the Boost C++		

	<pre>fracdist unit roots and cointegration critical value calculator. C++ reimplementation of Fortran companion software to James G. Ma Morten Ø. Nielsen, "Numerical Distribution Functions of Fractional Unit Re tegration Tests," Journal of Applied Econometrics, Vol. 29, No. 1, 2014, pp https://git.imaginary.ca/jagerman/fracdist</pre>	oot and Coin-		
	Voting simulation software. 2013 Eris-based voting model software implementation of "Voting simulation: an Eris applica- tion" working paper. https://git.imaginary.ca/eris/voting			
	EASIK v2.0, an Entity Attribute sketch and database implementation. (Contributor). Summer undergraduate Computer Science research project. http://www.mta.ca/~rrosebru/project/Easik	2008–2009		
Awards and Distinctions	Ontario Graduate Scholarship 201	1, 2012, 2014		
	E.G. Bauman Fellowship	2013		
	Queen's University nomination for SSHRC Doctoral Award	2011, 2013		
	Duncan & Urlla Carmichael Graduate Fellowship	2010		
	Governor General's Academic Medal (Silver)	2010		
	Harold W. Simpson Memorial Prize, Mount Allison University	2010		
	Mount Allison University Alumni Association Academic Achievement Award	2010		
	Best Student Paper, Atlantic Canada Economics Association Conference, Saint John, NB, Canada	2009		
	Association for Computing Machinery, International Collegiate Programming2009Contest participant. ( $2^{nd}$ -place Atlantic Canada; $10^{th}$ -place northeast North America)			
	Marjorie Young Bell Fellowship for summer undergraduate research,	2009		
	Economics Department, Mount Allison University; supervisor Dr. Stephen	Law		
	Petrocan Summer Undergraduate Award, Mathematics and Computer Science Department, Mount Allison University; supervisor Dr. Robert Rosebrugh	e 2008		
	Dean's List, Mount Allison University	2007 - 2010		
	University Scholarship, Mount Allison University	2008-2010		
Software Skills	Extensive programming experience:			
ORIELS	C++, Python, C, GNU R, Perl, Java, SQL, HTML, CSS, JavaScript, Shell scripting.			
	Moderate programming experience:			
	MATLAB, PHP, Ox.			
	Statistical analysis: gretl, R, STATA.			
	Operating systems:			
	GNU/Linux, Mac OS X, Windows.			
Teaching	Lecturer, University of New Brunswick, Economics Department:			
Experience	Advanced Macroeconomics (ECON 4023; 4 <sup>th</sup> -year undergraduate)	Winter 2018		
	Economic Theory I: Microeconomics (ECON 3013; 3 <sup>rd</sup> -year undergraduate) Lecturer, St. Thomas University, Economics Department:	Winter 2018		
	Microeconomic Theory I (ECON 2103; 2 <sup>nd</sup> -year undergraduate)	Fall 2017		
	Instructor (Teaching Fellow), Queen's University, Economics Department:			
	Introductory Statistics (ECON 250; 2 <sup>nd</sup> -year undergraduate)	Fall 2016		
	Introductory Statistics (ECON 250)	Winter 2015		
	Introductory Statistics (ECON 250)	Fall 2013		

## Teaching Assistant, Queen's University, Economics Department:

Teaching Assistant, Queen's University, Economics Department:				
	Quantitative Methods (ECON 852; M.A. e	, ·	Fall 2014	
Economic Analysis of Law (ECON 848; M.		A.), Dr. Roger Ware	Winter 2014	
	Industrial Organization & Policy (ECON 445; 4 <sup>th</sup> -year), Dr. Roger Ware		Winter 2014	
	Econometrics II (ECON 851; Ph.D.), Dr. I	Morten Nielsen	Winter 2013	
	Econometrics I, (ECON 850; Ph.D.), Dr. J	metrics I, (ECON 850; Ph.D.), Dr. James MacKinnon economics I (ECON 811; Ph.D.), Dr. James Bergin		
	Microeconomics I (ECON 811; Ph.D.), Dr.			
	Mathematical Economics (ECON 255; 2 <sup>nd</sup> -	year) Dr. Jan Zabojnik	Winter 2012	
	Microeconomic Theory II (ECON 310; 3 <sup>rd</sup> -	- , -	Fall 2011	
			2010 - 2011	
	Teaching Assistant, Mount Allison University:			
	Introductory Micro/macroeconomics (ECON 1001/1011), 2008–2010 Drs. Stephen Law and Frank Strain			
	Data Structures and Algorithms I (COMP 2611; 2 <sup>nd</sup> -year core Computer Science course), Dr. Liam Keliher Fall 2007, Fall 2009			
	Data Structures and Algorithms II (COMP 2631; 2 <sup>nd</sup> -year core Winter 2008, Winter 2009 Computer Science course), Dr. Liam Keliher			
Professional	Queen's University Copyright Working Gro	up graduata student representativ	e 2012–2017	
ACTIVITIES	Queen's Community Housing Board, John	- · -	2012-2017	
	Queen's Community Housing Doard, John		2010 2013	
Professional Experience	Lead Product Developer, Gossamer Threads, Inc., Vancouver, BC 2003-2006 http://www.gossamer-threads.com. • Head of development team for all product software development.			
	<ul><li>Maintenance of existing products and software libraries</li><li>Development of new products.</li></ul>			
	• Developed major new versions of Gossamer Threads' main software products, including a major redesign of all main products.			
	• Assisted in the initial development and launch of Gossamer Threads' web hosting division (now GT.net).			
	eads, Inc.	2000-2003		
	• Designed, developed, and launched Gossamer Forum, an advanced web-based forum application sold to webmasters.			
	• Created and maintained various components of other Gossamer Threads products and shared underlying product libraries.			
	Dr. James Bergin	Dr. Marie-Louise Vierø		
References	Department of Economics	Department of Economics		
Queen's University Queen's University		-		
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	E-mail: berginj@econ.queensu.ca	<i>E-mail:</i> viero@econ.queensu.ca		
	Dr. James MacKinnon Dr. Gregor W. Smith (teaching reference)			
Department of EconomicsDepartment of EconomicsQueen's UniversityQueen's University		/		
	Kingston, ON, K7L 3N6, Canada	Kingston, ON, K7L 3N6, Canad	a	
	Phone: (613) 533-2293	Phone: (613) 533-6659		
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