Ernesto Carrella

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 © carrknight.github.io/
 ● CarrKnight
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Education

George Mason Univ <i>PHD, Computational</i>	5		Fairfax,VA 2010–presen
University of Illinois M.Sc Economic Policy Specialization in Advanced Econometrics Chinese University of Hong Kong B.Sc Economics			Urbana, II 2008–2010
			Hong Kong 2005-2008
Papers			
Journal Articles			
	Societies and Social Sim		
final paper	ngithub repository	presentation slides	
Work in Progress			
		in a Agent Based Model S	
draft paper	ngithub repository	presentation slides	presentation video
Conference Papers	8		
	lti-Threaded Economy", Computing in Economic	cs and Finance, 2012	
	O github repository Hendrey, "An Order Bo Norkshop on Economic	ook Immediacy Model", c Heterogeneous Interac	ting Agents., 2012 ,
	exicab Market: simple rip PP Graduate Research	22 6	

Awards

George Mason University

Fairfax,VA 2010–present

Presidential Scholar Grant

Tuition waiver and stipend for 3 years with 20 hours a week of research assistantship Professors assisted:

- Worked for Dr. Matthew Hendrey;
 - Financial simulation, order book dynamics
- Worked for Prof. Andrew Crooks;
 - 3D simulation, open-sim
- Worked for Dr. Maksim Tsvetovat;
 - Textual analysis and data mining
- Worked for Prof. Doyne Farmer, Rob Axtell, Peter Howitt
 - Housing market modeling and unit testing

Languages

English: Fluent **Italian**: Native

Computer skills

Java: JUnit, Swing, JavaFX, Concurrency

Statistics: R, MySQL **ABM**: MASON, NetLogo

Authoring: LATEX, Markdown, KnitR, Jekill

Statistic skills

Classic Econometrics: Least Squares, Kalman Filters, Time Series, Survival Analysis Non-Parametrics: Kernel Regressions, Support Vector Machines, Random Forests Machine Learning: Cross-Validation and Model Selection, Monte Carlo modeling

Immigration Status

Citizenship: Italian

US Visa: F1 with OPT and CPT available