Ernesto Carrella

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Employment			
University of Ox PostDoc	ford		Oxford, UK 2015–present
George Mason U Research Assistant	-		Fairfax,VA 2010–2015
Education			
George Mason U <i>PHD, Computation</i>	•		Fairfax,VA 2010–2015
University of Illinois M.Sc Economic Policy Specialization in Advanced Econometrics			Urbana, IL 2008–2010
Chinese Univers B.Sc Economics	ity of Hong Kong		Hong Kong 2005-2008
Papers			
Journal Articles			
	cky Prices Microfoundations Minor Revisions: Journal	C	11 0
Journal of Artific	o-Knowledge Traders", cial Societies and Social Sim		presentation video
final paper	github repository	presentation slides	
In press as charter of the press as charter of the presented at the conference paper of E.Carrella and	Cybernetic Model of Macroe pter in Springer Proceeding	rs in Complexity 2016 presentation slides cs and Finance, 2012 ook Immediacy Model",	ting Agents., 2012 ,
o E.Carrella, "The	e Taxicab Market: simple rip e SPP Graduate Research	55 6	

conference paper

Awards

George Mason University

Fairfax,VA 2010–2015

Presidential Scholar Grant

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

- o 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
- o 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, Bayesian

Optimization