

**Gabriel Carroll**  
Curriculum Vitae  
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**Personal Information**

Birthdate: December 24, 1982

Citizenship: USA

**Education**

PhD in Economics, Massachusetts Institute of Technology, 2012

Doctoral thesis: “Approaches to Mechanism Design with Boundedly Rational Agents”

Advisors: Parag Pathak, Daron Acemoglu, Glenn Ellison

BA in Mathematics and Linguistics, summa cum laude, Harvard College, 2005

**Employment**

Assistant professor in Department of Economics, Stanford University, July 2013 –

Post-doctoral researcher at Microsoft Research, July 2012 – June 2013

Instructor at Mathematical Olympiad Summer Program, Summer 2008, 2009, 2010, 2012

Research assistant for James Choi, David Laibson, and Brigitte Madrian at NBER, August 2006 – July 2007

Volunteer English teacher at Chaling #1 Middle School, Chaling, Hunan, China, August 2005 – July 2006

**Visiting Positions** (one month or more)

Part-time visiting scholar at Simons Institute, UC Berkeley, August – December 2015

**Publications**

“Robustness and Separation in Multidimensional Screening,” 2017  
*Econometrica* 85 (2), 453–488

- “Robust Contracting with Additive Noise” (with Delong Meng), 2016  
*Journal of Economic Theory* 166, 586–604
- “Informationally Robust Trade and Limits to Contagion,” 2016  
*Journal of Economic Theory* 166, 334–361  
(formerly titled “Informationally Robust Trade Under Adverse Selection”)
- “Locally Robust Contracts for Moral Hazard” (with Delong Meng), 2016  
*Journal of Mathematical Economics* 62, 36–51
- “Robustness and Linear Contracts,” 2015  
*American Economic Review* 105 (2), 536–563
- “A General Equivalence Theorem for Allocation of Indivisible Objects,” 2014  
*Journal of Mathematical Economics* 51, 163–177
- “Robust Incentives for Effort,” 2013 (*non-refereed*)  
*SIGecom Exchanges* 12 (2), 32–35
- “When are Local Incentive Constraints Sufficient?,” 2012  
*Econometrica* 80 (2), 661–686
- “An Efficiency Theorem for Incompletely Known Preferences,” 2010  
*Journal of Economic Theory* 145 (6), 2463–2470
- “Optimal Defaults and Active Decisions” (with James J. Choi, David Laibson, Brigitte C. Madrian, and Andrew Metrick), 2009  
*Quarterly Journal of Economics* 124 (4), 1639–1674
- “The Cube Recurrence” (with David Speyer), 2004  
*Electronic Journal of Combinatorics* 11 (1), #R73

### **Unpublished Papers**

- “Information Games and Robust Trading Mechanisms,” 2017
- “On Mechanisms Eliciting Ordinal Preferences,” 2017
- “Strategic Communication with Minimal Verification” (with Georgy Egorov), 2017
- “Design for Weakly Structured Environments” (draft essay for *The Future of Economic Design*, eds. Jean-François Laslier, Hervé Moulin, Remzi Sanver, William S. Zwicker), 2017
- “Robustly Optimal Auctions with Unknown Resale Opportunities” (with Ilya Segal), 2017
- “Robust Incentives for Information Acquisition,” 2017
- “A Complexity Result for Undominated-Strategy Implementation,” 2014
- “A Quantitative Approach to Incentives: Application to Voting Rules,” 2013
- “The Efficiency-Incentive Tradeoff in Double Auction Environments,” 2011
- “Efficient Random Assignment with Constrained Rankings,” 2010

“Public Projects under Dual Utility,” 2009

### **Honors and Awards**

Trione Faculty Scholar at Stanford (2017)

Sloan Foundation Fellowship (2017)

*American Economic Review* Excellence in Refereeing award (2016)

Aliprantis Prize for economics paper by a young theorist (2015)

Robert M. Solow Prize for economics teaching and research at MIT (2012)

Levitan Award for teaching in humanities and social sciences at MIT (2012)

MIT Undergraduate Economic Association Best TA award (2012)

Review of Economic Studies tour (2012)

Yahoo! Key Scientific Challenges fellowship (2011)

NSF Graduate Research Fellowship (2007)

Putnam Fellow (2000, 2001, 2002, 2003)

### **Invited Seminars**

2017: Michigan, Yale, Northwestern, CUHK, NUS, UQ, Chicago

2016: MIT, Penn State, UCL, Warwick, LSE, Princeton, UCSD, ANU, UNSW, HU-Berlin, Mannheim, Bonn

2015: USC, Berkeley, Wharton Finance, Northwestern, U of Western Ontario, U of Toronto

2014: Texas A & M, UT-Austin

2013: UIUC, Université de Montréal, BU, NYU, Wisconsin, Duke, Wash U, Minneapolis Fed, Columbia

2012: Princeton, Berkeley, Stanford Economics, Stanford GSB, Kellogg MEDS, Chicago Booth, Chicago Economics, Harvard Economics, Yale, Cornell, Toulouse, Zurich / ETH, Harvard EconCS, Caltech, UCLA

2011: Carnegie Mellon, Yahoo! Research, Boston College, Microsoft Research

### **Conference Presentations**

2017: NSF-CEME Decentralization; Simons Institute Econ-CS Reunion; Conference in Honor of Bengt Holmström

2016: NSF-CEME Decentralization; NBER Market Design

2015: LAEF Robustness and Ambiguity in Economics; BFI Theory of Information in Games; SAET Trends in Economic Theory; Simons Institute Workshop on Complexity in Economics

2014: Econometric Society; Cowles Foundation Economic Theory Conference; Jean-Jacques Laffont Memorial Conference on Mechanism Design and Industrial Organization; Shanghai Microeconomics Workshop; ASU Topics in Contracting Theory Conference

2013: Gaming and Learning in Incentive Systems; EC'13 (ACM Conference on Electronic Commerce)

2012: Review of Economic Studies Tour

2010: MathFest; CIMAT Workshop in Prior-Free Mechanism Design

## **Students**

(As secondary committee member; students are listed with graduation year and initial placement)

Stephen Nei, 2017 (Oxford, Nuffield College post-doc)

Yiqing Xing, 2016 (Johns Hopkins, Carey Business School)

Shengwu Li, 2016 (Harvard Society of Fellows / Harvard Economics)

Joshua Mollner, 2015 (Microsoft Research post-doc / Kellogg MEDS)

## **Professional Activities**

Referee for *American Economic Journal: Microeconomics*; *American Economic Journal: Economic Policy*; *American Economic Review*; *B. E. Journal of Theoretical Economics*; *Econometrica*; *Economics Letters*; *Economic Theory*; *Games and Economic Behavior*; *International Journal of Game Theory*; *Journal of Economic Theory*; *Journal of Health Economics*; *Journal of Law, Economics, and Organization*; *Journal of Mathematical Economics*; *Journal of Political Economy*; *Mathematics of Operations Research*; *Mathematical Social Sciences*; *Quarterly Journal of Economics*; *Review of Economic Studies*; *Social Choice and Welfare*; *Theoretical Economics*; ITCS'14 (Innovations in Theoretical Computer Science); STOC'14 (Symposium on the Theory of Computing); National Science Foundation (USA); Swiss National Science Foundation

Program Committee member for Econometric Society Winter Meetings, 2018

Senior Program Committee member for EC (ACM Conference on Economics and Computation), 2016

Program Committee member for EC, 2013

Speaker for Bay Area Mathematical Olympiad award ceremony, 2015

Member of USA Mathematical Olympiad committee, 2013 – 2016; committee chair, 2016 –