

David Childers

Assistant Professor of Economics
Carnegie Mellon University
Tepper School of Business

Home Address:

6015 Spirit St.
Apt. 115
Pittsburgh, PA 15206

Office Address:

Tepper Quad 5140
Carnegie Mellon University
Pittsburgh, PA 15213

Telephone: 410-615-6047

E-mail: dchilder@andrew.cmu.edu

Personal web page: <https://donskerclass.github.io>

Citizenship: United States

Fields of Concentration:

Econometrics
Macroeconomics
Computational Economics

Degrees:

Ph.D., Economics, Yale University, 2016
Dissertation Title: *Computational Methods for Economic Models with Function-Valued States*
Committee: Peter C.B. Phillips, Anthony A. Smith, Jr., Costas Arkolakis
M.Phil., Economics, Yale University, 2013
M.A., Economics, Yale University, 2011
B.S.F.S. International Economics *Summa Cum Laude* Georgetown University, 2009

Fellowships, Honors and Awards:

University Dissertation Fellowship, Yale University 2014
Kent T. Healy Fellowship, Yale University, 2013-2014
Cowles Foundation Fellowship, 2009-2013
Doctoral Fellowship, Yale University 2009-2015
William F. Notz Medal, Georgetown University, 2009

Teaching:

Econometrics II (73-374) (Fall 2016, 2017, 2018)
Econometrics I (PhD) (47-811) (Fall 2017, 2018)
Computational Methods for Economics (47-805) (Spring 2018, 2019)
Forecasting for Economics and Business (Spring 2019)

Work Experience:

Research Assistant to David Atkin, Fall 2011
Research Assistant to Nancy Qian, Summer 2010

PhD Students Advised:

Eungsik Kim (committee member) (PhD expected 2019)
Wenting Yu (committee member) (PhD expected 2019)
Jiayi Li (committee member) (PhD expected 2019)

Working Papers:

“Solution of Rational Expectations Models with Function Valued States” (2018, Revise and Resubmit, Econometrica)

“Automated Solution of Heterogeneous Agent Models” (2018)

“Perturbation Methods for Incomplete Markets Economies” with Keshav Dogra (2018)

In Progress:

“Estimation of Function Valued State Space Models”

"Solving Ill-Posed Function-Valued Rational Expectations Models"

“Dynamics of Spatial Economies” with Treb Allen and Costas Arkolakis

Referee Service:

Journal of Econometrics, Macroeconomic Dynamics, Operations Research

Presentations:

2016: University of Illinois Urbana-Champaign, Carnegie Mellon University, UC San Diego, Chicago Fed Computational Conference, Society for Economic Dynamics, Stanford Institute for Theoretical Economics ‘Computational Methods for Dynamic Economies and Games’, University of Pennsylvania
2017: Indiana University, Federal Reserve Bank of New York
2018: Midwest Macro

Languages:

English (native), Spanish, Mandarin (basic)