

**ZACHARY KESSLER**

+1 (904) 504-1700

[www.zbkessler.com](http://www.zbkessler.com)

[zkessler@turing.ac.uk](mailto:zkessler@turing.ac.uk)

## **Education:**

**George Mason University**, Fairfax, VA

Ph.D. in Economics

Dissertation Title: “An Algorithmic Framework for Modeling Institutional Processes: Applications to Industrial Organization, Development, and Macroeconomics”

Graduation: May 2022

**George Mason University**, Fairfax, VA

MA, Economics

Graduation: May 2020

**Florida Southern College**, Lakeland, FL

Bachelor of Science, *summa cum laude*

Majors: Political Economy, Economics and Finance, Business Administration

Graduation: May 2018

## **Professional Career:**

**Alan Turing Institute**, London, UK

Postdoctoral Research Associate

Public Policy Programme, Policy Modelling Team

June 2022 – Present

**George Mason University**, Fairfax, VA, USA

Adjunct Faculty

Economics Department

August 2022 – Present

## **Publications:**

Kessler, Z. and Wagner, R. E. (2022) State-Market Entanglement: Some Implications for the Theory of Public Finance, *Journal of Public Finance and Public Choice*

Cardan, A., Caskey, G, and Kessler Z. (2021) Going Far By Going Together: James M. Buchanan’s Economics of Shared Ethics, *Business Ethics Quarterly*

## **Professional Activities:**

**Public Choice Society**, March 12, 2022, Economic Development and Computational Economics, A New Economic Cybernetics: Computational Institutions Applied to Behavioral Macroeconomic Models

**Public Choice Society**, March 12, 2022, Applied Political Economy, Endogenous Network Effect Generation through Political and Market Interaction: Evidence from Florida Home Values

**Southern Economic Association Conference**, November 22<sup>nd</sup> 2021, Markets and Firms, A Theory of Property Systems: Endogenous Network Generation through Political and Market Interaction

**Southern Economic Association Conference**, November 21<sup>st</sup> 2021, Applied Topics in Political Economy and Institutional Economics, A Theory of Emergent Government Power and Constraint: An Application to Federal Budgeting

**George Mason University Computational Social Science Colloquium**, October 1, 2021, An Agent-based Model of the O-Ring Theory of Development: Issues with Endogenous Skill Matching

**International Workshop on Agentization**, September 16, 2021, An Agent-based Model of the O-Ring Theory of Development: Issues with Endogenous Skill Matching

**Public Choice Society Meetings**, March 13, 2021, Political Economy, Presenter, Examining the Endogenous Institutional Conditions Shaping Revolutionary Outcomes: Evidence from the Arab Spring

**Public Choice Society Meetings**, March 13, 2021, Virginia Political Economy I: System Theories, Presenter, An Entropic Systems Theory of Market-State Interaction

**Eastern Economic Association Annual Conference**, February 27, 2021, Mathematical Economics, Presenter, The Solow-Swan Model at Scale: An Agent-based Approach to Macro Model Replication

**Southern Economic Association Annual Conference**, November 23, 2020, The New Frontiers of Non-Comprehensive Planning, Presenter, More Information, More Problems: An Examination of Information Technology's Impact on the Knowledge Problem

**Southern Economic Association Annual Conference**, November 22, 2020, Central Planning and Urban Economics, Presenter, Towards an Entangled Theory of Property Rights: The Implications of State and Market Cooperation in Value Development

**Western Economic Association International Virtual Annual Conference**, June 29, 2020, Collective Decision Making, Presenter, The Arab Spring's Seasonal Depression: Developing and Applying Revolution as a Redistributive Mechanism

#### Workshops and External Courses:

*Oxford Summer School in Economic Networks*, June 21-25, 2021

*Tinbergen Institute Behavioral Macro and Complexity*, August 23-27, 2021

#### Teaching Experiences:

##### *Adjunct Professor:*

Fall 2022, ECON 420 International Money and Finance

Spring 2023, ECON 421 Financial Economics

##### *Graduate Lecturer:*

Fall 2020, ECON 360 Economics of Developing Area

Spring 2021, ECON 310 Money and Banking

Summer 2021, ECON 104 Principles of Macroeconomics

Fall 2021, ECON 309 Economic Problems and Public Policy

##### *Teaching Assistant:*

Spring 2021, ECON 615 Macroeconomic Theory

Summer 2021, ECON 615 Macroeconomic Theory,

**Fields:**

Primary Fields: Political Economy, Macroeconomics, Computational Economics

Secondary Fields: Network Theory, Artificial Intelligence, Labor Economics

**Research Experience:**

2018-2022      Mercatus Center, Research Assistant

**Seminars:**

*IHS Summer Seminar: Modern Challenges to Liberty*, July 12-18, 2021

**Fellowships:**

2018-2022      Mercatus PhD Fellowship

2022              Public Choice Student Fellow

2019-2021      Mercatus Center Graduate Student Summer Research Fellowship

2021              IHS Graduate Fellowship