

# Nathaniel A. Throckmorton, Ph.D.

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## Economics Department

William & Mary  
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Citizenship: U.S.A.

## CURRENT POSITION

Tang Associate Professor, William & Mary

Fall 2020–Present

## EDUCATION

Ph.D. Economics, Indiana University

January 2014

M.A. Economics, Indiana University

December 2009

B.S. Mathematics and Economics, University of Wisconsin–Stevens Point

May 2006

## REFEREED PUBLICATIONS

1. “The Matching Function and Nonlinear Business Cycles” with Joshua Bernstein and Alex Richter, *Journal of Money, Credit, and Banking*, forthcoming
2. “A Simple Explanation of Countercyclical Uncertainty” with Joshua Bernstein, Mike Plante, and Alex Richter, *American Economic Journal: Macroeconomics*, forthcoming
3. “Valuation Risk Revalued” with Oliver de Groot and Alex Richter, *Quantitative Economics*, May 2022, Volume 13, Pages 723-759
4. “Complementarity and Macroeconomic Uncertainty” with Tyler Atkinson, Mike Plante, and Alex Richter, *Review of Economic Dynamics*, April 2022, Volume 44, Pages 225-243
5. “Cyclical Net Entry and Exit” with Joshua Bernstein and Alex Richter, *European Economic Review*, July 2021, Volume 136
6. “The Zero Lower Bound and Estimation Accuracy” with Tyler Atkinson and Alex Richter, *Journal of Monetary Economics*, November 2020, Volume 115, Pages 249-264
7. “Uncertainty Shocks in a Model of Effective Demand: Comment” with Oliver de Groot and Alex Richter, *Econometrica*, July 2018, Volume 86, Pages 1513-1526
8. “The Zero Lower Bound and Endogenous Uncertainty” with Mike Plante and Alex Richter, *Economic Journal*, June 2018, Volume 128, Pages 1730-1757
9. “Forward Guidance and the State of the Economy” with Ben Keen and Alex Richter, *Economic Inquiry*, October 2017, Volume 55, Pages 1593–1624
10. “Is Rotemberg Pricing Justified by Macro Data?” with Alex Richter, *Economics Letters*, December 2016, Volume 149, Pages 44-48
11. “The Consequences of an Unknown Debt Target” with Alex Richter, *European Economic Review*, August 2015, Volume 78, Pages 76-96
12. “The Zero Lower Bound, the Dual Mandate, and Unconventional Dynamics” with Bill Gavin, Ben Keen, and Alex Richter, *Journal of Economic Dynamics and Control*, June 2015, Volume 55, Pages 14-38
13. “The Zero Lower Bound: Frequency, Duration, and Numerical Convergence” with Alex Richter, *The B.E. Journal of Macroeconomics*, January 2015, Volume 15, Pages 157-182
14. “Accuracy, Speed and Robustness of Policy Function Iteration” with Alex Richter and Todd Walker, *Computational Economics*, December 2014, Volume 44, Pages 445-476

## OTHER PUBLICATIONS

“Job vacancy, unemployment relationship clouds ‘soft landing’ prospects” with Alex Richter, *Dallas Fed Economics*, February 2023

“Entry, Exit of Firms Amplify the Business Cycle” with Joshua Bernstein and Alex Richter, *Dallas Fed Economics*, July 2020

“The Production Process Drives Fluctuations in Output and Uncertainty” with Tyler Atkinson, Mike Plante, and Alex Richter, *Dallas Fed Economics*, June 2020

“COVID-19’s Unprecedented Impact Alters U.S. Labor Market” with Joshua Bernstein and Alex Richter, *Dallas Fed Economics*, June 2020

“Fed’s Effective Lower Bound Constraint on Monetary Policy Created Uncertainty” with Mike Plante and Alex Richter, *Economic Letter*, November 2017, Volume 12, Number 11

## TEACHING EXPERIENCE

**William & Mary:** Macro Seminar (Spring 2019, Fall 2021, Fall 2023), International Macro (Fall 2014, Fall 2023), Advanced Macro (Fall 2017, Fall 2019, Spring 2022, Spring 2023), Intermediate Macro (Fall 2014–Spring 2020, Fall 2021–Spring 2023), Independent Study (Spring 2015, Spring 2017, Spring 2020, Summer 2022)

**Society for Computational Economics:** An Introduction to Nonlinear Solution and Estimation Techniques (June 2022)

**Bank of Japan:** Nonlinear Solution and Estimation Methods Mini-course (March 2018)

**University of St Andrews:** Nonlinear Solution and Estimation Methods Mini-course (March 2017)

**DePauw University:** Statistics (Spring 2014), Introduction to Economics (Fall 2013, Spring 2014), Money and Banking (Fall 2013)

**Auburn University:** Money and Banking (Summer 2013)

**Indiana University:** Money and Banking (Fall 2012, Spring 2013), Intermediate Macro (Summer 2012), Policy Function Iteration Mini-course (with Alex Richter, March 2012), Intro to Macro (Fall 2010), Intro to Micro (Spring 2010/2011/2012), MATLAB for Economists Mini-course (August 2010)

## PREVIOUS POSITIONS

Assistant Professor, William & Mary	Fall 2014–Spring 2020
Visiting Assistant Professor, Economics Department, DePauw University	Spring 2014
Visiting Instructor, Economics Department, DePauw University	Fall 2013
Visiting Scholar, Federal Reserve Bank of St. Louis	July 2013
Visiting Instructor, Economics Department, Auburn University	Summer 2013
Associate Instructor, Economics Department, Indiana University	Spring 2010–Spring 2013
Visiting Economist, The Joint Committee on Taxation, U.S. Congress	Aug.–Dec. 2011 and Aug. 2012
Research Assistant, Economics Department, Indiana University Eric Leeper, Todd Walker, and George von Furstenberg	Summers 2010, 2011, and 2012
Teaching Assistant, Economics Department, Indiana University	Fall 2008–Fall 2009
Marketing Analyst, Renaissance Learning, Inc.	July 2006–July 2008
Research Assistant, Mathematics Department, UW–Stevens Point	Summer 2005
Research Assistant, Central Wisconsin Economic Research Bureau (CWERB)	June 2003–August 2005

## WORKING PAPERS

- “COVID-19: A View from the Labor Market” with Joshua Bernstein and Alex Richter  
“The Business Cycle Mechanics of Search and Matching Models” with Joshua Bernstein and Alex Richter  
“A New Way to Quantify the Effect of Uncertainty” with Alex Richter  
“Are Nonlinear Methods Necessary at the Zero Lower Bound?” with Alex Richter  
“Income Inequality and Current Account Imbalances” with Michael Kumhof, Claire Lebarz, Romain Ranciere, and Alex Richter

## PROFESSIONAL SERVICE

- Editorial Board:** *Computational Economics* (2023-Present)  
**Advisory Council:** Society for Computational Economics (2022-2024)  
**Program Committee:** Midwest Macroeconomics Meeting (Spring 2024); Annual Symposium of the Society for Nonlinear Dynamics & Econometrics (SNDE 2018, 2019, 2022, 2023); International Conference of Computing in Economics and Finance (CEF 2021, 2022)  
**Referee Service:** *Review of Economic Studies*; *AEJ: Economic Policy*; *Review of Economics and Statistics*; *Journal of Monetary Economics*; *Journal of the European Economic Association*; *Economic Journal*; *Review of Economic Dynamics*; *Journal of Money, Credit and Banking*; *Journal of Applied Econometrics*; *European Economic Review*; *Journal of Business & Economic Statistics*; *Journal of Economic Dynamics & Control*; *Economics Bulletin*; *International Journal of Central Banking*; *Economics Letters*; *Economic Modelling*; *Economic Inquiry*; *Oxford Bulletin of Economics and Statistics*; *Journal of Macroeconomics*; *Macroeconomic Dynamics*; *Economic Theory*; *International Finance*; *Studies in Nonlinear Dynamics & Econometrics*; *Computational Economics*; *The Oxford Handbook of Computational Economics and Finance*; *Applied Economics*; *LABOUR*  
**Member:** American Economic Assoc., Econometric Society, SNDE, Society for Computational Econ.

## GRANTS, FELLOWSHIPS, AND AWARDS

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|--|-------------------------------------|
| Tang Associate Fellowship, Economics Department, William & Mary                                | Fall 2021–Spring 2024               |
| Coco Faculty Fellowship, William & Mary  | Fall 2020–Spring 2021               |
| Travel Grant (\$2,700)   |                                     |
| Center for International Research on the Japanese Economy, Univ. of Tokyo                      | Summer 2019                         |
| International Travel Grant (\$500)   |                                     |
| Reves Center for International Studies, William & Mary   | Fall 2014, Spring 2018, Summer 2019 |
| Tang Assistant Fellowship, Economics Department, William & Mary                                | Fall 2017–Summer 2018               |
| Research Computing Allocation (\$24,374)   |                                     |
| Extreme Science and Engineering Discovery Environment (XSEDE)                                  | July 2017–June 2018                 |
| Seminar Development Grant, Economics Department, William & Mary                                | Summer 2017                         |
| Summer Research Award, William & Mary  | Summers 2015 and 2017               |
| W. Phillip Saunders Award for Best Associate Instructor<br>Economics Department, Indiana Univ. | Spring 2013                         |
| Graduate Fellowship, Economics Department, Indiana Univ.                                       | Fall 2008–Spring 2013               |
| Kenneth W. Boylan Scholarship, Mathematics Department, UW–Stevens Point                        | Fall 2005                           |
| Distinguished Student Award, College of Letters and Science, UW–Stevens Point                  | Spring 2005                         |
| John C. Seramur Scholarship, Division of Business and Economics, UW–Stevens Point              | Spring 2005                         |

## RESEARCH PRESENTATIONS

**2023:** Computing in Econ. and Finance, Université Côte d'Azur; Virginia Commonwealth Univ.; Seminar; North Carolina State Univ., Spring Macro Workshop

**2022:** Liberal Arts Macro Workshop, Middlebury College; Computing in Econ. and Finance, Southern Methodist Univ.; Midwest Macro, Utah State Univ.; Brownbag Lunch Talk, Bank of Canada; SNDE, Virtual

**2021:** Southern Econ. Assoc., Houston; Seminar, UNC–Chapel Hill; Liberal Arts Macro Workshop, Univ. of Richmond; Society for Economic Dynamics, Univ. of Minnesota; Intl. Assoc. for Applied Econometrics, Erasmus School of Economics; Computing in Econ. and Finance, Keio Univ.

**2020:** Seminar, Bank of Finland

**2019:** SNDE, Dallas Fed; Seminar, Univ. of Tokyo; Seminar, Keio Univ.; Computing in Econ. and Finance, Carleton Univ.; Seminar, Univ. of Washington

**2018:** Midwest Macro, Vanderbilt Univ.; SITE: Asset Pricing Theory and Computation, Stanford Univ.; Society for Economic Dynamics, ITAM, Mexico City; Seminar, Richmond Fed

**2017:** Liberal Arts Macro Workshop, Davidson College; Computing in Econ. and Finance, Fordham Univ.; CEPR Macro Modeling and Model Comparison Network, Goethe Univ. Frankfurt; Seminar, NC State Univ.; Seminar, Univ. of Glasgow; Seminar, Univ. of St Andrews

**2016:** Midwest Macro, Kansas City Fed; American Econ. Assoc., San Francisco

**2015:** Quantitative Macro Workshop, Reserve Bank of Australia; Southern Econ. Assoc., New Orleans; Computing in Econ. and Finance, Taipei; Georgetown Center for Econ. Research Biennial Conf., Washington, D.C.; Midwest Macro, Washington Univ.; Seminar, William & Mary

**2014:** Southern Econ. Assoc., Atlanta; Seminar, Dallas Fed; Dynare Conf., Bank of France; Seminar, Richmond Fed; Western Econ. Assoc. Intl., Denver; Computing in Econ. and Finance, Oslo; Midwest Macro, Univ. of Missouri; Midwest Econ. Assoc., Evanston; Seminar, Bentley Univ.; Seminar, Federal Reserve Board; Seminar, William & Mary; Seminar, Carleton College; Seminar, Wesleyan Univ.

**2013:** Southern Econ. Assoc., Tampa; Seminar, St. Louis Fed; Computing in Econ. and Finance, Vancouver; Seminar, Atlanta Fed; Jordan River Conf., Indiana Univ.; Midwest Econ. Assoc., Columbus

**2012:** Midwest Macro, Univ. of Notre Dame

**2011:** Jordan River Conf., Indiana Univ.

## PUBLIC TALKS

"COVID-19 and the U.S. Economy: A Booster Shot"	April 1, 2021
Osher Lifelong Learning Institute at William & Mary	
"COVID-19 and the U.S. Economy"	
Osher Lifelong Learning Institute at William & Mary	November 19, 2020
"Mathematics and Macroeconomics", UW–Stevens Point	November 5, 2020

## ADVISING EXPERIENCE

Honors Thesis Advisor, Economics Department, William & Mary	
Emily Martell, "Comparison of Global Solution Methods to a ZLB Model"	Summer 2018–Spring 2019
Student/Faculty Research Grant Advisor	
Economics Department, William & Mary	Summers 2015, 2017, and 2018
Honors Thesis Advisor, CAMS, William & Mary	
Darwin Chen, "Interactions between Fiscal and Monetary Policies"	Summer 2016–Spring 2017
Economics Major Advisor, Economics Department, William & Mary	Fall 2015–Present

## OTHER SERVICE

Admissions Policy Advisory Committee Member, William & Mary	Fall 2023–Present
Freshman and Transfer Student Advisor, Arts & Sciences, William & Mary	Fall 2016–Present
Search Committee Chair, Economics Department, William & Mary	Fall 2022
Sustainability, Carbon Working Group Chair, William & Mary	Fall 2021–Fall 2022
Sustainability, Carbon Credits Working Group Chair, William & Mary	Fall 2019–Spring 2020
Search Committee Member, Economics Department, William & Mary	Falls 2016, 2017, 2018, 2019
Sustainability, Tribe Carbon Fund Faculty Advisor, William & Mary	2019
Economics Seminar Coordinator, Economics Department, William & Mary	2019
Sustainability, Energy & Emissions Working Group Member, William & Mary	Spring 2018