Keith Barnatchez

Curriculum Vitae

Boston, Massachusetts   Cell: (774) 212-3927

LinkedIn: www.linkedin.com/in/keith-barnatchez   Email: keithbarnatchez@gmail.com

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Education

Colby College, 2014-2018

    BA (With distinction) Mathematical Sciences, Statistics Concentration

    BA (Honors, with distinction) Economics-Mathematics

    Senior Honors Thesis: Employer Mandates and Firm Dynamics

    Advisor: Robert Lester, Economics Department

Academic Experience

Research Assistant, Federal Reserve Bank of Boston, Economists Jenny Tang and Viacheslav Sheremirov, 2018-present

    Projects: Measuring the transmission effects of monetary policy through international trade networks, estimating the signaling effect of monetary policy announcements, analyzing the extent to which state-level mask mandates mitigate the impact of increased community mobility on COVID-19 cases

Summer Research Assistant, Federal Reserve Board of Governors, Economists Leland Crane and Ryan Decker, 2017

    Projects: Characterizing the spatial distribution of large United States firms, developing and maintaining a large establishment-level dataset

Independent Research supervised by Professor Robert Lester, Colby College Economics Department, 2017

    Project: Examining patterns in the shares of STEM employment and STEM majors in response to economic recessions

Research Assistant, Colby College Economics Department, Professor Robert Lester, 2016

    Project: Analyzing the effects of labor market and establishment-level government policies on various measures of economic dynamism

Other Experience

Teaching Assistant for Macroeconomic Theory, Colby College Economics Department, 2017-2018

Data Analyst Summer Intern, UnitedHealth (formerly OmniClaim at time of employment), 2016

    Worked with analyst team to implement machine learning algorithms for identifying overpayments in patient claims data

Teaching Assistant for Introductory Statistics, Colby College Mathematics & Statistics Department, 2016-2018

Teaching Assistant for Calculus I, Colby College Mathematics & Statistics Department, 2015-2016

Honors

Phi Beta Kappa, 2018
Mu Sigma Rho, 2018
Colby Economics Department Faculty Prize (for high scholarly attainment in economics), 2017
New England Small Conference Athletic Conference All-Academic Team, 2015-2018

Publications and Working Papers

"An Assessment of the National Establishment Time Series (NETS) Database" (with Leland Crane and Ryan Decker), *FED Working Paper Series*, 2017.

"The Relationship Between Economic Freedom and Economic Dynamism" (with Robert Lester). *Contemporary Economic Policy*, 2017.

Skills

Programming languages: Python (Base, Numpy, Pandas, Matplotlib and Tensorflow), R
Software: Stata & Mata, LaTeX, Matlab

Extracurricular Activities

Colby College Varsity Cross Country, Track & Field, 2014-2018