BRENDAN COOLEY

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EDUCATION

2020	Princeton University, M.A. (2017), Ph.D. (expected), Politics
	Qualifying exams: international relations, formal/quantitative methods, political economy
2014	University of North Carolina at Chapel Hill, B.A., Political Science and Peace, War & Defense

WORKING PAPERS

Gunboat Diplomacy: Political Bias, Trade Policy, and War
    Conferences: MPSA 2018, SPSA 2019, ISA 2019, Online Peace Science Colloquium 2019
Estimating Policy Barriers to Trade
    Conferences: MPSA 2019, ISA-MW 2019, SPSA 2020
Trade Policy in the Shadow of Power: Quantifying Military Coercion in the International System
    Conferences: APSA 2019, Formal Models of International Relations 2020
Gunshots and Turf Wars: Inferring Gang Territories from Shooting Reports
    with Noam Reich
How Wide Is the Ethnic Border?
    with Scott F Abramson and Bethany Lacina
    Conferences: PolMeth 2020

WORKS IN PROGRESS

Prohibition, Theft, and Violence: Monopolistic Exchange in Illicit Markets
    with Colin Krainin and Kristopher Ramsay
    Conferences: MPSA 2018
Market Structure, Military Coercion, and the International Politics of Oil Production

TEACHING

Introduction to Mathematics for Political Scientists
    Summer 2018, Summer 2019

Princeton University, Co-taught with Dan Gibbs
POL240/WWS312: International Relations (Preceptor)
    Spring 2018
    Princeton University, Professor: Andrew Moravcsik
POL387: International Intervention and the Use of Force (Preceptor)
    Fall 2017
    Princeton University, Professor: Melissa Lee
ENG102: Introduction to Literary Analysis
    Spring 2016
    Garden State Youth Correlational Facility, Princeton Prison Teaching Initiative (PTI)
International Relations Theory and the Rise of China
    Spring 2014
    University of North Carolina at Chapel Hill, C-START Program

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REFERREE

American Political Science Review
Conflict Management and Peace Science
Journal of Conflict Resolution

AWARDS AND GRANTS

2020	Dean's Completion Fellowship
	Princeton University, Graduate Fellowship
	Program in Quantitative and Analytical Political Science (Q-APS)
	Princeton University, Graduate Fellowship
2019	Fellowship of Woodrow Wilson Scholars
	Princeton University, Graduate Fellowship
	Program in Quantitative and Analytical Political Science (Q-APS)
	Princeton University, Graduate Fellowship
	Research Program in Political Economy
	Princeton University
	Project: Estimating Policy Barriers to Trade
	Multi-Center Competitive Dissertation Award
	Princeton University
	Project: Market Structure, Military Coercion, and the International Politics of Oil Production
2018	Fellowship of Woodrow Wilson Scholars
	Princeton University, Graduate Fellowship
	Program in Quantitative and Analytical Political Science (Q-APS)
	Princeton University, Graduate Fellowship
2017	Program in Quantitative and Analytical Political Science (Q-APS)
	Princeton University, Graduate Fellowship

PROFESSIONAL EXPERIENCE

2014-   Center for Strategic and Budgetary Assessments, Washington, DC
2015   Research Assistant

Internships: Center for Strategic and Budgetary Assessments (2013), Johns Hopkins University Applied Physics Laboratory (National Security Analysis, 2012), U.S.-China Economic and Security Review Commission (2011)

POLICY PAPER

2015   A Conventional Flexible Response Strategy for the Western Pacific
              with James Scouras
              Johns Hopkins University Applied Physics Lab

SOFTWARE

python   numpy, scipy, autograd
R   tidyverse, spatial (sp, rgdal, leaflet), plotly, shiny, Rmarkdown
Mathematica   (computer algebra)
IPOPT   (sparse, large-scale, nonlinear optimization)