

SARANG SHAH

sarangshah.com | sarang.shah@berkeley.edu | (571) 733-8965 | San Francisco, CA

EDUCATION

University of California, Berkeley

Ph.D. Student, Political Science

University of California, Berkeley - School of Law

J.D., 2021, State Bar of California lic. no.: 342210

University of Cambridge, Wolfson College

Mathematics Tripos, 2012

Trinity College Dublin

M.Sc. Theoretical Physics, 2011

Thesis: "Moduli space of SU (2) singular monopole"

Georgia Institute of Technology

B.S. Physics, *summa cum laude*, 2009

Minor in Public Policy

GRADUATE COURSES

Fall 2021: American Government and Politics Field Seminar, Comparative Political Economy, Quantitative Analysis in Political Research, Research Workshop in American Politics.

Spring 2022: Formal Models of Political Science, International Political Economy, Economic Sociology, The Law of Nations.

ACADEMIC RESEARCH EXPERIENCE

Current Projects:

Tufts University – University of California, Berkeley

Jan 2022 - Present

Principal investigator: Eitan Hersh

Conducting survey of business leaders regarding political/civic engagement and partisanship.

Economic Policy Institute

__Aug 2021 - Present

Advisors: David Grewal, Sanjay Reddy

Drafting report on political normative foundations of economic measures such as inflation.

Previous Projects:

University of California, Berkeley – School of Law

Nov 2019 – May 2021

Advisor: David Grewal

Developing course materials for a Law and Political Economy Seminar at Berkeley Law.

Researching chapter on the history of critical approaches to law and economics and democratic theory.

Trinity College Dublin – Mathematics

Sep 2009 – Apr 2011

Advisor: Sergey Cherkis

Devised an explicit mathematical proof in the field of string theory of the homomorphism of monopoles and solitons between a complex quaternionic space and a multidimensional real space. Created a software program in Mathematica to computationally check my results. Consulted with leading scholars in the field and supervisor for close guidance on how to organize this independent research project.

Georgia Institute of Technology – Physics

Sep 2006 – May 2009

Advisor: David Finkelstein

Researched and developed under close supervision a simplicial, Clifford algebraic approach to space-time topology such that quantum uncertainty would be treated as a first-class concern. Constructed a path-integral perturbation theory framework for quantum fields. Delivered a thesis presentation at an undergraduate research symposium and the senior thesis seminar.

Technische Universität Berlin – Comp. Neuroscience

Apr 2008 – Oct 2008

Advisor: Eckehard Schöll

Helped develop a pacemaker for the brain. Applied nonlinear dynamics and chaos theory to a simulation of neural populations under the conditions of Parkinson's disease. Developed versatile software written in MATLAB and C++ to simulate neural activity and the influence of time-delayed feedback. Published a book chapter and presented my findings at a conference, PhysCON 2009 in Catania, Italy.

Georgia Institute of Technology – Public Policy

Sep 2007 – Dec 2009

Advisor: Christopher Weible

Created a novel language processing solution for scraping and interpreting media to produce social data available in a nodal map for network analysis in UCINET and MATLAB. Presented a paper entitled "The State of Environmental Policy and Politics in Georgia 2006" at an undergraduate symposium. Used similar techniques to code and analyze the policy process regarding federal aquaculture regulations.

Georgia Institute of Technology – Economics

Aug 2006 – Dec 2006

Advisor: Maurizio Iacopetta

Developed an independent research paper on the impact of Washington Consensus policies on Latin America while supported by a research grant. Used publicly available economic data and analysis generated with Stata throughout the research project.

PROFESSIONAL RESEARCH EXPERIENCE

Open Markets Institute

May 2019 – Aug 2019

Louis Brandeis Law and Political Economy Fellow

Drafted petitions for rulemaking to the FTC regarding vertical restraint regulation. Research projects on most favored nation clauses, just price theory, and application of democratic theory to competition law.

MapLight (Berkeley, CA)

Aug 2013 – Sep 2015

Data Editor

Translated complex legal issues and data-driven conclusions about campaign finance into press releases and stories aimed at a general audience, appearing in the New York Times, San Francisco Chronicle, etc. Analyzed publicly available campaign finance and lobbying disclosures and reconstructed transactions in an accessible database format. Developed advanced machine-learning, network mapping, and Markov clustering tools to organize and analyze finance data. Programmed a cloud-based crowdsourced microtasker in PHP/SQL to distribute machine training work to staff members and volunteers.

ACADEMIC TEACHING EXPERIENCE**Trinity College Dublin – Mathematics**

Sep 2009 – Jun 2010

Teaching Assistant

Taught undergraduate level linear algebra, calculus, and classical mechanics. Conducted course revisions. Marked papers and problem assignments and proctored exams.

GENERAL PROFESSIONAL EXPERIENCE**Crowdpac (San Francisco, CA)**

Feb 2018 – Aug 2018

Communications Fellow

Crafted effective fundraising campaigns for progressive candidates using data collected by our platform.

Palantir Technologies (Palo Alto, CA)

Sep 2015 – May 2017

Platform Writer

Documented complex technical concepts and critical workflows for technical and non-technical readers. Established and maintained several internal client-relationships with product teams and embedded consulting deployments across the company. Coded a dynamic documentation module in Java that could be deployed on a microservices cluster and received a patent on the design.

PROFESSIONAL RESEARCH PUBLICATIONS*Selection of publicly-available MapLight Research Reports*

- Shah, Sarang. "Companies with Stake in Net Neutrality Debate Have Financial Ties to Subcommittee Members Overseeing FCC," *MapLight*, Feb. 25, 2015.
- Shah, Sarang. "Top 5 Homeland Security Contractors Spend \$107M Lobbying Congress and Federal Agencies, Receive \$9B in Contracts Sarang Shah," *MapLight*, Feb. 27, 2015.
- Shah, Sarang. "What's the Cost of a Seat in the California State Legislature?," *MapLight*, May 5, 2015
- Shah, Sarang. "Defense Contractors Dominate List of Top 10 PAC Contributors in 2015," *MapLight*, Jun. 11, 2015.
- Shah, Sarang. "Los Angeles and Silicon Valley Among Top Zip Codes Contributing to Federal Candidates," *MapLight*, Jul. 28, 2015.

- Shah, Sarang. "Report: New Tool Reveals \$80M in Independent Expenditures Spent in California's 2014 Election," *MapLight*, Sep. 28, 2015.

Wilberforce Society, Cambridge, UK

- Shah, Sarang & Bangham, George. 2012. "The National Security Council and the Prime Minister." Cambridge: The Wilberforce Society (March): 1-12.

HONORS AND AWARDS

University of California, Berkeley - School of Law, Dean's Fellowship. 2018-2021

Tuition grant awarded to incoming students with excellent records of academic achievement.

Christopher Edley grant for pro bono service, Summer 2020.

George J. Mitchell Scholarship

2009

Prestigious national scholarship awarded to twelve recipients annually to pursue fully-funded postgraduate study in Ireland.

DAAD RISE Scholarship

2008

Scholarship awarded by the German Academic Exchange Service to a select few undergraduate research fellows to pursue a research project in a German laboratory with full financial support.

President's Undergraduate Research Award

2006

The Georgia Institute of Technology's premier research grant to undergraduate students. Awarded for research in economics, public policy, and physics.

HOPE Scholarship 2005-2009. Robert C. Byrd Honors Scholarship, 2005-2009.

Full-tuition scholarship for undergraduate education and supplementary grant.

LECTURES AND PRESENTATIONS

- "Introduction to Law and Political Economy." American Constitution Society, March 2021 at Stanford Law School.
- "Law, Money, and Technology Summer Academy: Transforming Political Economy." Law and Money panel moderator, July 15th, 2020 at University of Manchester.
- "Covid-19 from a Law and Political Economy Perspective." Panel moderator, April 13th, 2020.
- "Sycamore". Playwright and director. Stage reading at the Berkeley Rep Theater (2017).
- "Money in Politics." Lecture on corruption at World Affairs Council of San Francisco (2014).
- Presentation on UK National Security Council policy at Pembroke College, Cambridge (2012).

SERVICE

- The Law and Political Economy Society of Berkeley founder and chair (2019-2021).
- Berkeley Journal of International Law Riesenfeld Symposium co-organizer (2019).
- Pro bono legal work with Root and Rebound, Kids in Need of Defense, and Demos (2019).
- Older, Wiser Law Students of Berkeley co-founder and co-chair (2018 – 2019).
- Current Events Discussion Meetup founder and organizer (2015 – 2018).
- World Affairs Council Volunteer Board member (2014 – 2015).
- Wilberforce Society member, Cambridge's student-run think tank (2011 – 2012).
- College Democrats of Georgia Tech VP of Communications (2007 – 2009).
- Free Exchange on Campus lead organizer against HB 154 in GA Assembly (2007).

PATENTS

Shah, Sarang. Building dynamic documentation based on installed services. U.S. Patent US10552148B2, granted Feb. 4, 2020. Assignee: Palantir Technologies.

LANGUAGES

B1 Level French. A2 Level German.

COMPUTER SKILLS

Coding/Querying languages: R, Stata, C/C++, Java, PHP, Javascript, SQL.

Computation platforms: UCINET, Mathematica, MATLAB.

Markup languages: LaTeX, Markdown, Restructured Text, HTML.