

Arjun Ramani

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EDUCATION

Stanford University

B.A.H. Candidate - Economics; Minor – Mathematics

GPA: 3.89/4.00

Selected Coursework: Real Analysis, Algorithms, Deep Learning, Mining Massive Datasets, Micro/Macroeconomic Theory, Financial Crises, Number Theory, Econometrics, Web Apps, Economic Networks, Probability, World History

Organizations: Stanford Consulting, Stanford Debate, Stanford Daily Data Team, Club Tennis, Dorm Student Staff

Stanford, CA

Sep 2017–Jun 2022

West Lafayette Jr./Sr. High School

Valedictorian, Class Vice President, 4-Year Varsity Tennis Player

GPA: 4.0/4.0, SAT - 2370/2400, SAT II: Math – 800, Chemistry – 800, Physics - 800

Awards: 3rd Place Regeneron Science Talent Search (\$150,000 award), USAMO (Math Olympiad) Qualifier (Top 230 in US)

West Lafayette, IN

Aug 2013–May 2017

PROFESSIONAL EXPERIENCE

Citadel Securities

Trading Intern – Fixed Income ETF

New York, NY

June 2020–August 2020

- Desk work included bond trading and analyzing impact of corporate bond benchmark rolls on IG bond yields
- Training included mock trading, poker theory, forecasting, and theory courses across options, equities, & bonds

Stanford Institute for Economic Policy Research (SIEPR)

Researcher

Stanford, CA

August 2018–Present

- Working w/Prof Ramin Toloui on impact of technology/demography on inequality; work presented at 2020 AEA conference
- Co-wrote \$250,000 research grant from Israeli NSF for project analyzing Opportunity Zones; sole RA on study
- Thesis on the effect of work-from-home on deurbanization and the spatial equilibrium of the real estate market

Stanford Institute for Innovation in Developing Economies (SEED) – DreamOval Ltd

Product Strategy and Data Analytics Intern

Accra, Ghana

Aug 2019 – Sep 2019

- Developed new pricing model and negotiated w/mobile payments partner, largest bank in Africa, to implement price changes
- Taught project managers SQL and R to create key results dashboards; worked w/CEO to define relevant key metrics

White House Council of Economic Advisers (CEA)

Economic Policy Intern (Trade/Tax Policy Teams)

Washington D.C.

June 2018 – Sep 2018

- Created custom R tool to visualize gradient heat maps across states/counties in order to assess policy impact
- Developed end-to-end statistical analysis tool in Python and R to assess the impact of TCJA Opportunity Zones policy

Computer Science Department – Stanford University & Purdue University

Research Scientist

Stanford, CA & West Lafayette, IN

June 2015–Jan 2018

- Developed fastest known algorithm ($O(E)$ vs. $O(N^2)$) for generating large random Kronecker networks using Python and Julia
- 1st authored paper accepted for publication by the journal *SIAM Review* and separate 2nd authored paper accepted by *ICDM*

EXTRACURRICULARS, LEADERSHIP & COMMUNITY SERVICE

Stanford Daily Newspaper

Director of Data and Founder of the Stanford Open Data Project

Stanford, CA

Nov 2018–Present

- Directing 30-person data journalism team; editor for all data journalism stories by the Daily's Data Blog
- Leading team of 7 at Stanford Daily to build out Stanford's first centralized data portal; responsible for full-stack devt.

Stanford Consulting Student Group

Vice President of Projects & Board Member | Previous: Project Director

Stanford, CA

Nov 2017 – Present

- Led team of 6 to design distance learning platform for Britannica Group; worked with Global CEO & currently piloting design
- Revamped online and app strategy/design for microfinance firm; increased online engagement by 60% and profit by \$4M

Student Staff – Crothers Hall

Academic Theme Associate (ATA)

Stanford, CA

Sep 2019–Present

- Responsible for ~\$30K budget, planning 30 speaker events, and managing academic events for ~350 student dorm
- Live interviewed several academics and policymakers from Tyler Cowen (GMU) to Paul Niehaus (founder GiveDirectly)

Stanford Debate Society

World Championships Squad Member

Stanford, CA

Aug 2014–Present

- Quarterfinalist at US Championships, finalist at the Oxford IV, winner of UChicago IV, and qualifier for APDA Nationals
- Ran operations for the 3rd largest high school debate tournament in country with over 3000+ participants and \$200k cash flow

ADDITIONAL INFORMATION

Technical languages: Python, R, Stata, Julia, ReactJS | **Interests:** Tennis, Philosophy, Juggling, Mentoring, NBA, Golf, History