Sumit Goel

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Education		
	California Institute of Technology	Pasadena, CA
	PhD in Economics (with minor in Computer Science)	2017 – 2023
	Research interests: Game theory, Mechanism design, CS-Econ	
	Advisor: Federico Echenique	
	Indian Statistical Institute	Delhi
	MS in Quantitative Economics	2015 – 2017
	Advisor: Arunava Sen	
	Delhi Technological University	Delhi
	BTech in Computer Science	2011 – 2015

Research

Working papers

1. "Prizes and effort in contests with private information"
Extended Abstract in *EC 2023* [PDF]

2. "Stable allocations in discrete economies" (with Federico Echenique and SangMok Lee)
R&R at *Journal of Economic Theory* [PDF]

3. "Project selection with partially verifiable information" (with Wade Hann-Caruthers)
Extended Abstract in *WINE 2022* [PDF]

4. "Optimal tie-breaking rules" (with Amit Goyal)
R&R at *Journal of Mathematical Economics* [PDF]

Publications

5. "Optimality of the coordinate-wise median mechanism for strategyproof facility location in two dimensions" (with Wade Hann-Caruthers)
Extended Abstract in *SAGT 2022*, Published in *Social Choice and Welfare* [PDF]

Honors and scholarships		
	Best Paper in Micro Award (Winter School at Delhi School of Economics)	2022
	Graduate Fellowship in Data Science (PIMCO)	2020
	Repetto-Figueroa Family Graduate Fellowship (Caltech)	2020
	Linde Institute Summer Fellow (Caltech)	2020
	Graduate Student Fellowship (Caltech)	2017
	Rank 1 in MSQE Program (ISI Delhi)	2017
	Masters Student Fellowship (ISI Delhi)	2015 – 2017

Conferences

2022: Winter school at Delhi School of Economics (DSE), Contests: Theory and Evidence, Meeting of Society for Social Choice and Welfare, SAET, Asian School in Economic Theory, SAGT, Conference at Indian Statistical Institute (ISI) Delhi. **2019**: Winter school at DSE

Referee	Theoretical Economics, Mathematical Social Sciences

Teaching exp. **Teaching assistant, Caltech**
Designed and graded problem sets, conducted office hours

Ec 122: Econometrics	Fall 2018, Fall 2019
Ec 11: Introduction to Economics [edX]	Winter 2018
BEM 103: Introduction to Finance	Winter 2019, Winter 2021
PS/Ec 172: Game theory [webpage]	Spring 2020
Ec 121A: Theory of Value	Fall 2021
CS/Ec 149: Algorithmic Economics [notes]	Spring 2022, Spring 2023

Instructor, Econschool
Taught Mathematics to undergrad students in India interested in pursuing higher studies in Economics. Also developed a website visited by over 150 students daily [econschool.in].

Other exp. **Caltech COVID-19 Machine Learning project** Summer 2020
Under supervision of Prof. Yaser Abu-Mostafa, contributed to development of a machine learning-based model to predict the spread of COVID-19 in the US. The predictions are part of The US COVID-19 Forecast Hub dataset published in *Scientific Data, Nature*.

Research assistant for Prof. Federico Echenique Spring 2019
Surveyed experimental papers that use the convex time budget methodology for estimating time and risk preferences

Intern at Royal Bank of Scotland Summer 2014
Wrote XSLT code to enhance Excel reports by introducing charts alongside data tables while ensuring easy integration with existing report generation process

Service

Treasurer of Caltech Badminton Club	2018 – 2022
Graduate representative of Caltech HSS DEI committee	2020 – 2022
President of Caltech Cricket Club	2018 – 2020

Miscellaneous **Programming**: R, Python, Latex, C, C++
Languages: English (fluent), Hindi (native)
Personal: Indian citizen, born November 30, 1992

References

Federico Echenique	Thomas R. Palfrey	Omer Tamuz
Dept. of Economics	Division of HSS	Division of HSS
U.C. Berkeley	Caltech	Caltech
fede@econ.berkeley.edu	trp@hss.caltech.edu	omertamuz@gmail.com