YIYING TAN

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Placement Director	Gianluca Violante	violante@princeton.edu	609-258-4003
Graduate Administrator	Laura Hedden	lhedden@princeton.edu	609-258-4006

Graduate Studies

Princeton University *Sep. 2021 - Present*
Ph.D. Candidate in Economics
Expected Completion Date: May 2027

References

Professor Leeat Yariv
Department of Economics, Princeton University
lyariv@princeton.edu

Professor Alessandro Lizzeri
Department of Economics, Princeton University
lizzeri@princeton.edu

Professor Mira Frick
Department of Economics, Princeton University
mfrick@princeton.edu

Professor Eran Shmaya
Department of Economics, Stony Brook University
eran.shmaya@stonybrook.edu

Prior Education

University of Oxford - Nuffield College *Oct. 2019 - Jun. 2021*
MPhil. in Economics, *Distinction*

London School of Economics and Political Science *Sep. 2016 - Jul. 2019*
BSc. in Econometrics and Mathematical Economics, *First-Class Honors*

Fields

Primary: Microeconomic Theory **Secondary**: Information Economics

Job Market Paper

"Experimentation Priorities with Biased Experts"

Decision makers conducting costly experiments often seek advice from experts with a stake in the outcome: executives evaluating competing product designs or policymakers designing new regulation consult specialized engineers or industry lobbyists who have frontier expertise. I study how a decision maker experimenting across multiple prospects may interact productively with a biased expert who strategically discloses verifiable evidence about each prospect. The expert favors a subset of prospects, regardless of their viability for the decision maker, and neither player can commit to future behavior. The order of experimentation shapes the expert's incentives: testing favored prospects earlier can induce disclosure about alternatives if experimentation continues. Pareto-efficient equilibria feature disclosure in batches, generally with delay. Between disclosures, the decision maker experiments optimally according to an adjusted Gittins index. Under refinements that rule out implausible disclosure behavior, optimal experimentation follows an endogenous index ordering across all prospects. Comparative statics highlight that faster learning or greater alignment with the expert need not improve the decision maker's welfare.

Working Papers

1. "Endogenous News in Bandit Problems", with Alessandro Lizzeri, Eran Shmaya, and Leeat Yariv

2. "Rank Guarantees in Matching Markets"

3. "Strategically Ambiguous Deterrence", with Qiyuan Zheng

Work in Progress

1. "(Multi)calibrating Expert Output"

2. "Attentional Market Power on Congested Platforms", with Anaïs Galdin and Jesse Silbert

Honors, Scholarships, Fellowships, and Grants

Prize Fellowship in the Social Sciences, *Princeton University* *2025-27*
Goldfeld Summer Fellowship, *Princeton University* *2025*
William S. Dietrich II Economic Theory Center Summer Grant, *Princeton University* *2024*
Marimar & Cristina Torres Prize (Best Third-Year Paper), *Princeton University* *2024*
University Graduate Fellowship, *Princeton University* *2021-Present*
Departmental Prize in Economics, *University of Oxford* *2021*
Clarendon Scholarship, *University of Oxford* *2019-21*
Departmental Principles of Econometrics Prize, *London School of Economics* *2018*
Rishi Madlani Prize, *London School of Economics* *2018*

Professional Activities

Presentations

2026: Princeton Political Economy Research Seminar; Princeton Microeconomic Theory Workshop; 37$^{\text{th}}$ Stony Brook International Conference on Game Theory; 4$^{\text{th}}$ International Workshop on Game Theory and Economic Applications.

2025: Princeton Microeconomic Theory Workshop; Singapore Management University Brown-Bag Seminar; Princeton SPIA Prize Fellowship Lunch Seminar.

2024: 35$^{\text{th}}$ Stony Brook International Conference on Game Theory; Princeton Microeconomic Theory Workshop.

2023: Princeton Microeconomic Theory Workshop

Service

Post-Generals Graduate Representative on Department Steering Committee. (*2023-2025*)

External Relations Delegate on Lakeside Housing Committee; Representative on Graduate Housing Advisory Committee and Graduate Dining Advisory Committee. (*2024-present*)

Teaching

Microeconomic Theory II (Grad), Princeton (TA, Spring 2025)
Ethics and Economics (UGrad), Princeton (TA, Spring 2023)
Statistics and Data Analysis for Economics (UGrad), Princeton (TA, Spring 2024; Lead TA, Fall 2024)

Research Experience

Research Assistant to Professor Jakub Kastl (Princeton University) *Jul. 2022 - Apr. 2023*

Programming Skills

(Fluent) Python (scikit-learn, jax, numpyro), LaTeX; (Proficient) Julia, Stata, MATLAB, R
Deep Learning Specialization (DeepLearning.ai)

Non-Academic Professional Experience

Bank of England - Resolution Directorate *Jun. - Sep. 2018*
Penultimate Year Intern - Liability Regulation

Housing and Development Board of Singapore *Jan. - Jul. 2016*
Data Analyst - Estate Administration & Property Group

Personal

Languages: (Native) English, Mandarin Chinese
(Intermediate) French
(Elementary) German, Japanese
Citizenship: Singaporean

Last updated: November 2026