

Dana Annalise Golden

PHD CANDIDATE ECONOMICS · STONY BROOK UNIVERSITY

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Education

Stony Brook University

Stony Brook, New York

DOCTOR OF PHILOSOPHY, ECONOMICS

2021 - 2026

- Advisors: Yiyi Zhou and Steven Stern
- Certificate in Artificial Intelligence

Georgia Institute of Technology

Atlanta, Georgia

MASTER OF SCIENCE, ANALYTICS

2020 - 2022

Concentration: Machine Learning

Georgia Institute of Technology

Atlanta, Georgia

MASTER OF SCIENCE, ECONOMICS

2018 - 2019

Georgia Institute of Technology

Atlanta, Georgia

BACHELOR OF SCIENCE, ECONOMICS

2016 - 2018

Professional Experience

2023-
Current **NSF Funded Research Fellow**, BIAS-NRT: Detecting and Addressing Bias in Data, Humans, and Institutions

Summer

2023-May **Graduate Research Assistant**, Spellman High Voltage Power Electronics Lab

2024

2023 **Graduate Research Assistant**, Eva Carceles-Poveda

2022-2024 **Writing Center Tutor**, Stony Brook Writing Center

Summer

2023 **Data Scientist Intern**, Bureau of the Fiscal Service

Summer

2023 **Economist Intern**, USDA Economic Research Service

2022-2023 **Microeconomics PhD Tutor**, Stony Brook Economics Department

Summer

2022 **Economist intern**, Federal Energy Regulatory Commission

2022

2019-2021 **Agricultural Economist**, USDA Economic Research Service

2017-2019 **Peer Tutor**, Georgia Tech Athletic Association

Summer

2017 **Financial Management Student Intern**, Defense Finance and Accounting Service

2017

Working Papers

Deepi Singh, Dana Golden, Gaurav Bhansali, Ali Anwar, Shreepooja Singh, Fang Luo, Yiyi Zhou. 2023. Offshore Horizons: HVDC Wind Farms - Exploring Techno-Economic Dimensions.

Works in Progress

Investment and the Transfer of Power: Dynamic Effects of Transmission in Electricity Markets.

Non Linear Dividend Taxation and Shareholder Disagreement. (with Alexis Anagnostopoulos, Eva Carceles-Poveda, and Gabriel Mihalachel)

The International Determinants of Shareholder Disagreement. (with Alexis Anagnostopoulos and Eva Carceles-Poveda)

Industrial Policies in a Market with Environmental Externalities: Evidence from the Chinese Solar Panel Industry. (with Yiyi Zhou and Xiangjun Ma)

Commodity Markets LLM-based Futures Forecasting. (with Dikshya Mohanty, and Khushboo Singh.)

Stochastic optimal control for renewable energy generation augmented by energy storage systems. (with Deepi Singh)

Conference Presentations

Dana Golden, Dikshya Mohanty, and Khushboo Singh. 2025. Commodity Markets LLM-based Futures Forecasting. Southern Agricultural Economics Association.

Dana Golden, Dikshya Mohanty, and Khushboo Singh. 2024. Transformers but not the Kind You're Thinking of: Commodity Market Forecasting using Natural Language Processing. Economics & Computation. Poster.

Eva Carceles-Poveda, Alexis Anagnostopoulos, Dana Golden, and Gabriel Mihalachel. 2024. Non Linear Dividend Taxation and Shareholder Disagreement. Midwestern Macro.*

Dana Golden. 2020. Can an AI figure out whether an AI can take my job? Structural Blueprint for AI-generated Academic Papers in Economics. AAEA.

Dana Golden. 2020. Solving the Basis Aggregation Problem. AAEA. Poster.

Dana Golden. 2020. Agricultural basis from a game theoretic perspective. AAEA. Poster.

Government and Industry Publications

Comparative Study & Networked Benchmarking of Power Electronics Architectures for HVDC OSW Energy Integration: May 2024

Oilseeds Outlook Report: May 2020-July 2021

Wheat Outlook Report: December 2020-January 2021

Awards, Fellowships, & Grants

2024-2025	OVPR Seed Grant (with Eva Carceles-Poveda and Ria Rajiv Shah) , Stony Brook University Office of Proposal Development	\$ 40,000
2023-2025	NSF BIAS-NRT Research Fellowship , National Science Foundation	\$ 74,000
2021-2026	Department of Economics Diversity Fellowship , Stony Brook University Economics	\$ 75,000

Teaching Experience

Winter 2025 **Economics of Environmental and Natural Resources**, Instructor
 Summer 2024 **Data Science and Machine Learning**, Teaching Assistant
 Fall 2023 **Economics and Sustainability**, Instructor
 Spring 2023 **Economics and Sustainability**, Instructor
 Spring 2023 **Econometrics (graduate)**, Teaching Assistant
 Fall 2022 **Mathematical Statistics (graduate)**, Teaching Assistant
 Spring 2022 **Introduction to Economics**, Teaching Assistant
 Fall 2021 **Introduction to Economics**, Teaching Assistant
 Spring 2019 **Philosophy of Science, Technology, and Human Values**, Teaching Assistant

Georgia Tech

Outreach & Professional Development

SERVICE AND OUTREACH

2022-2023 **Graduate Student Organization**, Chair of Board of Appeals
 2024 **Stony Brook University Game Theory Conference**, Volunteer
 2022-2023 **Economics Graduate Student Departmental Grievance Committee**, Student Representative
 2021-2025 **Graduate Student Organization**, Economics Senator
 2020-2021 **Books Not Bombs**, Tutor
 2020-2021 **AEA LGBT Mentoring Program**, Mentor
 2017-2022 **Georgia Tech and Archer high school debate teams**, Debate Judge
 2019 **Pipeline Project**, Mentor