

SHAOYING MA, PH.D.

<https://shaoyingma.com/>

shaoying-ma@ou.edu

University of Oklahoma

4502 E. 41st Street

Tulsa, OK 74135, USA

ACADEMIC APPOINTMENTS

Assistant Professor, Department of Family and Community Medicine and TSET Health Promotion Research Center, University of Oklahoma, Jun. 2026 –

Research Scientist, The James – Ohio State University Comprehensive Cancer Center, Center for Tobacco Research, Jul. 2024 – Jun. 2026

EDUCATION

Ph.D. in Economics, The Graduate Center, City University of New York, Sep. 2020

M.A. in Economics, Miami University of Ohio, Dec. 2017

B.A. in Economics, Shandong University, China, Jun. 2013

POSTDOTORAL TRAINING

Postdoctoral Scholar, The James – Ohio State University Comprehensive Cancer Center, Center for Tobacco Research, Sep. 2020 – Jun. 2024

RESEARCH INTERESTS

Health Economics, Substance Use (Tobacco, Cannabis, Alcohol), Tobacco Regulatory Science, Behavioral and Policy Interventions, Cancer Prevention and Control

RESEARCH FUNDING

Principal Investigator, Pelotonia Postdoctoral Fellowship, The Ohio State University
2022–2024

Highly competitive, mentored two-year fellowship providing National Institutes of Health (NIH) stipend-level salary support for independent research, grant writing, and development of an NIH research career development (K) award application in tobacco regulatory science and substance use.

FELLOWSHIPS & ASSISTANTSHIP

Sallie Mae Fund Student Fellowship, \$7,000 from The Graduate Center, City University of New York, 2019 - 2020

Graduate Center Fellowship, \$26,000 annual stipend plus tuition waiver from The Graduate Center, City University of New York, 2015 – 2019

Graduate Center Tuition Fellowship, tuition waiver from The Graduate Center, City University of New York, 2014 – 2015

Graduate Students Summer Scholarship, \$1,800 from Miami University, Summer 2014

Graduate Assistantship, \$2,507.42 stipend plus 47% tuition waiver from Miami University, 2013 – 2014

HONORS & AWARDS

Ohio State's 2024 Pelotonia Scholars Symposium presentation award finalist

American Society of Health Economists Diversity Scholarship, 2023

Selected participant in the Annual “Sexual & Gender Minority Cancer Curriculum Advances Research Excellence (CARE)” Workshop, funded by an R25 Course for Skills Development (Grant#1R25CA240113-01, MPIs: Chang/Sanchez), 2023

Population Sciences Poster Winner (First Place) in The James – Ohio State University Comprehensive Cancer Center Annual Scientific Meeting, 2021

American Society of Health Economists Diversity Scholarship, 2021

National Bureau of Economic Research Summer Institute Health Economics Workshop, Invited Attendee, Jul. 2019, Jul. 2020, Jul. 2021, Jul. 2022, Jul. 2023, Jul. 2024

National Bureau of Economic Research Health Economics Program Meeting, Invited Attendee, Apr. 2019, Dec. 2020, May 2021, Dec. 2021

PROFESSIONAL DEVELOPMENT GRANTS

Scholarship for the 42nd Annual Conference on LGBTQ+ Health, from GLMA Health Professionals Advancing LGBTQ+ Equality, 2024

Professional Development Award, \$750 from The Ohio State University Postdoctoral Association, Jun. 2024

Health Equity Network Travel Scholarship, \$1,425 from the Society for Research on Nicotine and Tobacco, Jan. 2023

The James Annual Scientific Meeting Travel Award, \$1,500 from The Ohio State University, Oct. 2021
Doctoral Student Research Grant, \$890 from The Graduate Center, City University of New York, 2019 - 2020

European Job Market Travel Grant, €200 from European Economic Association, Dec. 2019

Sallie Mae Fund Student Travel Award, \$300 from The Graduate Center, City University of New York, Summer 2018

Doctoral Student Research Grant, \$1,100 from The Graduate Center, City University of New York, 2017 - 2018

PEER-REVIEWED PUBLICATIONS

#Mentees

22. #Zhang, S., Thai, V., **Ma, S.**, #Ahn, S., Chen, J., Mays, D., Berman, M., Wagener, T. & Shang, C. (2026). Trends in product characteristics of disposable e-cigarettes sold in online stores between 2022 and 2024. *Nicotine & Tobacco Research*. DOI: 10.1093/ntr/ntag101.

21. **Ma, S.**, #Ahn, S., Park, H., Yang, Q., Bridges, J. & Shang, C. (2026). How do US adults who vape choose among different e-cigarette (EC) models and cigarettes in response to prices and taxes. *Health Economics*. DOI: 10.1002/hec.70097. (Featured in *The Cancer Letter*, April 2026).
20. **Ma, S.**, Qiu, Z., #Hernandez, G., #Zhang, S., Thai, V., #Chaudhry, E., Jiang, S. & Shang, C. (2025). E-cigarette concept flavors in the United States: An analysis of product packages from online stores. *Preventive Medicine Reports*, 103361. DOI: 10.1016/j.pmedr.2025.103361.
19. Xu, L., He, Y., Park, H., #Zhang, S., **Ma, S.** & Shang, C. (2025). How tax structures for retail cannabis shape cannabis use among youth and young adults: evidence from a volumetric choice experiment. *European Journal of Health Economics*. DOI: 10.1007/s10198-025-01875-3. PMID: 41460273.
18. Hardin, A., Ahn, S., **Ma, S.**, Thai, V., Mays, D., Chen, J., Paskett, E., Wagener, T. & Shang, C. (2025). The Association Between Product Attributes and Oral Nicotine Pouch (ONP) Preference – Evidence from Online Stores. *Nicotine & Tobacco Research*, ntaf137. DOI:10.1093/ntr/ntaf137. PMID: 40590502.
17. #Ahn, S., **Ma, S.** & Shang, C. (2025). Where Do E-cigarette Users Buy Their E-cigarette Products? Result from a Nationally Representative Sample of E-cigarette Users in the United States. *Nicotine & Tobacco Research*, ntaf110. DOI: 10.1093/ntr/ntaf110. PMID: 40401538.
16. **Ma, S.**, #Chaudhry, E., #Ahn, S., Brinkman, M., Berman, M., Wagener, T. & Shang, C. (2025). E-cigarette market proportion by nicotine claims in the United States. *Preventive Medicine Reports*, 54, 103087. DOI: 10.1016/j.pmedr.2025.103087. PMID: 40904552.
15. **Ma, S.**, Shang, C., Do, V., Huang, J., Pechacek, T. & Weaver, S. (2025). The Impacts of Product Characteristics and Regulatory Environment on Smokers' Preferences for Tobacco and Alcohol Co-Use: Evidence from A Volumetric Choice Experiment. *PLOS One*, 20(3), e0320023. DOI: 10.1371/journal.pone.0320023. PMID: 40073034.
14. **Ma, S.**, #Ahn, S., #Kaareen, A., Yang, Q., Qiu, Z., Chen, J., Berman, M., Mays, D., Wagener, T. & Shang, C. (2025). Features of disposable e-cigarettes and their association with pricing and consumer preference: Evidence from web data of US online stores. *Addiction*, 120(3), 514-523. DOI: 10.1111/add.16719. PMID: 39711153.
13. **Ma, S.**, Yang, Q., #Ahn, S., Park, H., He, Y., Bridges, J. & Shang, C. (2024). Cost Comparison and Spending on Tobacco Products: Evidence from A Nationally Representative Sample of Adult E-Cigarettes Users. *Nicotine & Tobacco Research*. Published online October 25, 2024. DOI: 10.1093/ntr/ntae250. PMID: 39450424.
12. He, Y., Yang, Q., Alish, Y., **Ma, S.**, Qiu, Z., Chen, J., Wagener, T. & Shang, C. (2024). Relationship Between Product Features and the Prices of e-Cigarette Devices Sold in Web-Based Vape Shops: Comparison Study Using a Linear Regression Model. *JMIR Formative Research*, 8, e49276. DOI: 10.2196/49276. PMID: 38723251.
11. **Ma, S.**, #Kaareen, A., Park, H., He, Y., Jiang, S., Qiu, Z., Xie, Z., Li, D., Chen, J., O'Connor, R. J., Fong, G. T. & Shang, C. (2024). How to Identify e-Cigarette Brands Available in the United States During 2020-2022: Development and Usability Study. *JMIR Formative Research*, 8, e47570. DOI:10.2196/47570. PMID: 38416562.
10. **Ma, S.**, Jiang, S., #Yang, O., #Zhang, X., Fu, Y., Zhang, Y., #Kaareen, A., Ling, M., Chen, J., & Shang, C. (2024). Use of Machine Learning Tools in Evidence Synthesis of Tobacco Use among Sexual and

Gender Diverse Populations. *JMIR Formative Research*, 8, e49031. DOI: 10.2196/49031. PMID: 38265858.

9. Yang, Q., **Ma, S.**, He, Y., Qiu, Z., Chen, J., & Shang, C. (2024). What types of e-liquid products were more likely to offer price promotions? *Tobacco Control*, 33, 817-819. Advance online publication. DOI: 10.1136/tc-2022-057781. PMID: 37197949.
8. He, Y., **Ma, S.**, Yang, Q., & Shang, C. (2023). How cigarette excise tax pass-through to prices responds to the uptake and evolution of e-cigarettes (ECs). *Tobacco Control*, tc-2023-058078. Advance online publication. DOI: 10.1136/tc-2023-058078. PMID: 37640531.
7. **Ma, S.**, Jiang, S., Wagener, T., Mays, D., Chen, J., & Shang, C. (2023). The Associations Between E-Liquid Characteristics and Its Pricing: Evidence from Online Vape Shops. *PLOS One*, 18(5), e0286258. DOI: 10.1371/journal.pone.0286258. PMID: 37235576.
6. **Ma, S.**, Qiu, Z., Chen, J., & Shang, C. (2023). Synthetic nicotine e-liquids sold in US online vape shops. *Preventive Medicine Reports*, 33, 102222. DOI: 10.1016/j.pmedr.2023.102222. PMID: 37181243.
5. **Ma, S.**, Jiang, S., Ling, M., Lu, B., Chen, J., & Shang, C. (2023). Excise taxes and pricing activities of e-liquid products sold in online vape shops. *Tobacco Control*, 33(1), 7–14. DOI: 10.1136/tobaccocontrol-2021-057033. PMID: 35697482.
4. Shang, C., **Ma, S.**, & Lindblom, E. N. (2023). Tax incidence of electronic nicotine delivery systems (ENDS) in the USA. *Tobacco Control*, 32(e2), e160–e165. DOI: 10.1136/tobaccocontrol-2021-056774. PMID: 34937806.
3. **Ma, S.**, Qiu, Z., Yang, Q., Bridges, J., Chen, J., & Shang, C. (2022). Expanding E-liquid Flavor Wheel: Classification of Emerging E-Liquid Flavors in Online Vape Shops. *International Journal of Environmental Research and Public Health*, 19(21), 13953. DOI: 10.3390/ijerph192113953. PMID: 36360834.
2. **Ma, S.**, Jiang, S., Ling, M., Chen, J., & Shang, C. (2022). Price Promotions of E-liquid Products Sold in Online Stores. *International Journal of Environmental Research and Public Health*, 19(14), 8870. DOI: 10.3390/ijerph19148870. PMID: 35886722.
1. Shi, H., Fan, M., Zhang, H., **Ma, S.**, Wang, W., Yan, Z., Chen, Y., Fan, H., & Bi, R. (2021). Perceived health-care quality in China: a comparison of second-and third-tier hospitals. *International Journal for Quality in Health Care*, 33(1), mزاب027. DOI: 10.1093/intqhc/mزاب027. PMID: 33693896.

SELECTED WORKING PAPERS

#Mentees

6. He, Y., Xu, L., Park, H., **Ma, S.** & Shang, C. (2026). The impact of various tax bases and rates on cannabis consumption among US adults who use recreational cannabis. (Major revisions requested by *Health Economics*)
5. **Ma, S.**, Thai, V., #Zhang, S., Xu, L., Mays, D., Chen, J. & Shang, C. (2026). Oral Nicotine Pouch Brands in the United States: Integrating Artificial Intelligence and Large Language Models for Brand Surveillance.
4. #Zhang, S., Thai, V., **Ma, S.**, Xu, L., Mays, D., Wagener, T., Chen, J. & Shang, C. (2026). Disposable e-cigarette brand hierarchy in the United States: Evidence from online stores

3. **Ma, S.**, #Ahn, S., Patterson, J., Reiter, P. & Shang, C. (2026). Tobacco use patterns, e-cigarette purchasing locations and own price elasticities of demand among gender minoritized adult vapers in the US.
2. Xu, L., #Zhang, S., Su, K., **Ma, S.**, Plascak, J., Paskett, E. & Shang, C. (2026). State Cannabis Policy Environments and Reported Accessibility Among U.S. Adolescents and Young Adults.
1. Yang, Q., **Ma, S.**, Park, H., He, Y., Alish, Y., Bridges, J. & Shang, C. (2025). Developing a Volumetric Choice Experiment to Explore the Impact of Regulating Electronic Nicotine Delivery System (ENDS): An Agile Approach.

RESEARCH EXPERIENCE & VISITING POSITION

Visiting Student, National Bureau of Economic Research New York Office, 2018 – 2020

- Developed doctoral dissertation that examined the effects of local paid sick leave laws in the U.S. on private sector workers' decisions to change employer/job, and on women's decisions to give birth.
- Learned from and interacted with health economists, labor economists, and public health researchers at the National Bureau of Economic Research New York Office.

Research Coordinator, New York University Perlmutter Cancer Center, Sep. 2017 - Dec. 2018

- Supervised and managed *Bellevue Hospital Breast Cancer Database* and coordinated ongoing clinical research programs in the breast clinic of Bellevue Hospital.
- Coordinated with clinic staff and physicians of patients' status in treatment including clinical trials and assisted with preparation of progress reports to funding agencies.
- Facilitated analysis and reporting of variables for the preparation of grant applications and manuscripts for publication, and coordinated regulatory processes and paperwork associated with open protocols.

SEMINARS & ORAL PRESENTATIONS

#Mentees

30. Zhang, S., Thai, V., **Ma, S.**, Ahn, S., Chen, J., Mays, D., Berman, M., Wagener, T. & Shang, C. (2026, March 5). *Trends in product characteristics of disposable e-cigarettes sold in online stores between 2022 and 2024*. Society for Research on Nicotine and Tobacco 32nd Annual Meeting, Baltimore, MD, United States.
29. Hellani, A.E., Wagener, T., Shang, C., **Ma, S.**, Mays, D., Alalwan, M., Talih, S., Leigh, N., Page, M. & Brinkman, M. (2026, March 4). *Tobacco Market Surveillance and Product Characterization: From Purpose to Practice*. Society for Research on Nicotine and Tobacco 32nd Annual Meeting, Baltimore, MD, United States.
28. **Ma, S.** (2025, June 13). *Evaluation of Tobacco and Cannabis Policies to Promote Health Equity*. Trending Topics in Sexual & Gender Minority (SGM) Cancer CARE (Curricula to Advance Research & Education) seminar, virtual.
27. **Ma, S.** (2024, October 29). *Tobacco and Alcohol Use Patterns and the Impacts of Taxation Among Sexual and Gender Minoritized Adults in the United States*. American Economic Association Economics of LGBTQ+ Individuals Virtual Seminar, virtual.

26. **Ma, S., #Ahn, S., #Kaareen, A., Yang, Q., Qiu, Z., Chen, J. & Shang, C.** (2024, October 17-18). *Features of Disposable e-Cigarettes and Their Associations with Consumer Preferences: Evidence from Web Data of US Online Stores*. National Institutes of Health Tobacco Centers of Regulatory Science (TCORS) Grantee Meeting, Bethesda, MD, United States.
25. **Ma, S. & Shang, C.** (2024, September 30-October 2). *How do Sexual and Gender Minoritized Adults in the U.S. Perceive E-cigarette Risks and Taxes?* GLMA's 42nd Annual Conference on LGBTQ+ Health, Charlotte, NC, United States.
24. **Ma, S., #Ahn, S., Park, H., Yang, Q., Bridges, J. & Shang, C.** (2024, June 16-19). *How Vapors Choose Among Different E-Cigarette Models and Cigarettes in Response to Prices: A Volumetric Choice Experiment*. American Society of Health Economists 13th Annual Conference, San Diego, CA, United States.
23. **Ma, S., #Ahn, S. & Shang, C.** (2024, May 2-4). *Tobacco use patterns and choices of e-cigarette (EC) product types among sexual minoritized adult vapers in the United States*. LGBT Health Workforce 12th Annual Conference, New York, NY, United States.
22. **Ma, S., Shang, C., Pechacek, T. & Weaver, S.** (2024, May 2-4). *Tobacco and Alcohol Use Patterns, and the Impacts of Excise Taxes on Use Disparities Among Sexual Minoritized Adult Smokers Who Drink Alcohol and Use E-cigarettes*. LGBT Health Workforce 12th Annual Conference, New York, NY, United States.
21. **Ma, S.** (2024, April 19). *How do Sexual and Gender Minoritized Adults in the U.S. Perceive E-Cigarette (EC) Risks and Taxes?* Ohio State's 2024 Pelotonia Scholars Symposium, Columbus, OH, United States.
20. **Ma, S., Yang, Q., #Ahn, S., Park, H., He, Y., Bridges, J. & Shang, C.** (2024, March 22-24). *Cost Comparison and Spending on Tobacco Products: Evidence from A Nationally Representative Sample of Adult E-Cigarette Users*. Midwest Economics Association 88th Annual Meeting, Chicago, IL, United States.
19. **Ma, S.** (2024, February 23). *Tobacco and Alcohol Use Patterns and the Impacts of Taxation Among Sexual and Gender Minoritized Adults in the United State*. Patient Centered Outcomes Research (PCOR) Seminar at The Ohio State University College of Medicine, virtual.
18. **Ma, S., Shang, C., Do, V., Huang, J., Pechacek, T. & Weaver, S.** (2023, March 31-April 2). *The Impacts of Product Characteristics and Regulatory Environment on Smokers' Preferences for Tobacco and Alcohol Co-Use: Evidence from A Volumetric Choice Experiment*. Midwest Economics Association 87th Annual Meeting, Cleveland, OH, United States.
* Organizer and chair of the session, titled "Health Economics Analysis and Preference Research in Cancer Prevention and Control"
17. **Ma, S., #Yang, O., #Zhang, X., Jiang, S., Ling, M., Chen, J., & Shang, C.** (2023, March 1-4). *Applying Natural Language Processing (NLP) Tools to Assess LGBTQ Research Gaps in Tobacco Control Literature*. Society for Research on Nicotine and Tobacco 29th Annual Meeting, San Antonio, TX, United States.
16. **Ma, S.** (2023, February 15). *Applying Natural Language Processing (NLP) Tools to Assess LGBTQ Research Gaps in Tobacco Control Literature*. The Ohio State University Center for Tobacco Research (CTR) Trainee Seminar, Columbus, OH, United States.

15. **Ma, S.**, Jiang, S., Wagener, T., Mays, D., Chen, J. & Shang, C. (2022, November 6-9). *How E-liquid Products Are Priced Based on Product Characteristics: Evidence from Online Vape Shops*. American Public Health Association Annual Meeting, Boston, MA, United States.
14. **Ma, S.** (2022, June 17). *How to scrape online information: with application to online vape shops*. Tobacco Online Policy Seminar (TOPS), virtual. (Workshop format)
13. **Ma, S.** (2022, May 25). *How E-liquid Products Are Priced Based on Product Characteristics: Evidence from Online Vape Shops*. The Ohio State University Center for Tobacco Research (CTR) Trainee Seminar, virtual.
12. **Ma, S.** (2022, March 4). *Expanding E-Liquid Flavor Wheel: Classification of Emerging E-Liquid Flavors in Online Vape Shops*. The 36th Edward F. Hayes Research Forum at The Ohio State University, Columbus, OH, United States.
11. **Ma, S.**, Jiang, S., Ling, M., Chen, J. & Shang, C. (2022, January 28). *E-cigarette sales prices, price promotion activities, and product attributes: analyses of web data extracted from online vape shops*. Patient Centered Outcomes Research (PCOR) Seminar at The Ohio State University College of Medicine, virtual.
10. **Ma, S.** (2020, November 21-23). *Paid Sick Time Mandates and Worker Mobility in the U.S.* Southern Economic Association 90th Annual Meeting, virtual.
9. **Ma, S.** (2020, August 24-28). *Paid Sick Time Mandates and Worker Mobility in the U.S.* European Economic Association 35th Annual Congress, virtual.
8. **Ma, S.** (2020, July 23-24). *The Effect of Access to Paid Sick Time on Fertility*. Association for Public Policy Analysis and Management International Conference, virtual.
7. **Ma, S.** (2020, June 26-30). *Paid Sick Time Mandates and Worker Mobility in the U.S.* Western Economic Association International 95th Annual Conference, virtual.
6. **Ma, S.** (2019, November 8). *Paid Sick Time Mandates and Worker Mobility in the U.S.* Economics Seminar at Miami University, Oxford, OH, United States.
5. **Ma, S.** (2019, October 24). *Paid Sick Time Mandates and Worker Mobility in the U.S.* Applied Economics Seminar at The Graduate Center, City University of New York, New York, NY, United States.
4. **Ma, S.**, Davis, G. & Li, J. (2018, June 26-30). *The Effect of Income Inequality on Household Consumption: Evidence from China Household Finance Survey Data*. Western Economic Association International 93rd Annual Conference, Vancouver, B. C., Canada.
3. **Ma, S.**, Davis, G. & Li, J. (2018, April 5-7). *The Effect of Income Inequality on Household Consumption: Evidence from China Household Finance Survey Data*. Chinese Economists Society North America Conference, Athens, GA, United States.
2. **Ma, S.**, Davis, G. & Li, J. (2018, March 1-4). *The Effect of Income Inequality on Household Consumption: Evidence from China Household Finance Survey Data*. Eastern Economic Association 44th Annual Conference, Boston, MA, United States.

1. **Ma, S.** (2017, March 28). *The Impact of Urban Resident Basic Medical Insurance on the Aging Population in China*. Brownbag Seminar at The Graduate Center, City University of New York, New York, NY, United States.

TEACHING EXPERIENCE

Adjunct Lecturer, Queens College, City University of New York, Queens, NY, United States (SU20)

- Taught one class of *Price Theory* to 15 undergraduate students, both majors and non-majors.
- Developed syllabus, designed problem sets and exams, and held office hours each week.
- Demonstrated how to apply microeconomic models to consumers' and firms' decision-making problems at an advanced level.
- Helped students learn necessary mathematical methods used in those economics analysis and provided practical tools to evaluate the impacts of some public policies.

Adjunct Lecturer, Hunter College, City University of New York, New York, NY, United States (SP16, AU19, SP20)

- Taught one class of *Principles of Microeconomics* in two semesters (AU19, SP20), to an average of 90 diverse undergraduate students, both majors and non-majors.
- Taught a class of *Intermediate Microeconomics* (SP16) to 32 undergraduate students, mostly of Economics major.
- Developed syllabi and lesson plans, designed exams, and held office hours.
- Presented and illustrated models and other tools to help students learn the behaviors of individual consumers, households, and firms in the economy.
- On weekly basis, posted discussions on forums to reinforce learning beyond the classroom.
- Provided accommodations for students with disabilities to promote an accessible and inclusive education environment.
- Created class activities in response to different students' learning styles.

Quantitative Reasoning Fellow, Hunter College, City University of New York, New York, NY, United States (AU18, SP19)

- Designed *Math in Economics* tutorials that covered eight topics from *reading graphs* in introductory Economics courses to *calculating derivatives* and *Stata basics* in more advanced Economics classes.
- Clarified both basic and complex Economic concepts and methods, to increase students' understanding of class content.
- Reviewed mathematical and statistical methods for students who take Economics courses that require those knowledge as prerequisites.
- The tutorials were used in both *Dolciani Mathematics Learning Center* and *Economics Tutoring Center* of Hunter College.

Graduate Teaching Fellow (Instructor of Record), Queens College, City University of New York, Queens, NY, United States (AU15, SP16, AU16, SP17, AU17, SP18)

- Taught *Introduction to Microeconomics* (SP18) to 29 undergraduate students, both majors and non-majors.
- Taught one class of *Introduction to Econometrics* in three semesters (SP16, AU16, SP17), to an average of 16 undergraduate students, mostly of Economics major.
- Taught one class of *Introduction to Macroeconomics* in two semesters (AU15, AU17), to an average of 46 undergraduate students, both majors and non-majors.
- Developed syllabi, designed problem sets and exams, and held lab sessions and office hours.
- Introduced students to basic theory and empirical approaches in Economics and prepared them for higher levels of Economics studies.
- Created empirical projects, exercises, and opportunities of oral presentation, for students to demonstrate teamwork and problem-solving skills.
- Assessed students' progress through both formative and summative evaluations.

Teaching Assistant, Baruch College, City University of New York, New York, NY, United States (SP15, AU15)

- Facilitated recitations sessions for *Principles of Microeconomics* and *Principles of Macroeconomics* courses.
- Increased students' competency with concepts and analyses from large lectures, through in-class exercises and practice problem sets.
- Utilized a multimedia approach to engage students' interest in economics models and key variables from those models.

Economics Tutor, Hunter College, City University of New York, New York, NY, United States (AU14, SP15)

- Tutored in a list of undergraduate level courses, including *Microeconomics*, *Macroeconomics*, *Money and Banking*, *Economic Statistics*, *Econometrics*, *International Trade*, *International Finance*, *Corporate Finance*, and *Security and Investment Analysis*.
- Provided one-on-one instruction to students at the Economics Tutoring Center, to improve their skills in solving economics problems.
- Clarified economics concepts and theories through graphic presentation of models and other tools, to increase students' understanding of class content.
- Reviewed basic topics in probability and statistics for students to build solid foundation for further study of econometrics.
- Helped students learn techniques in empirical research and familiarized them with the application of those techniques to a variety of economic datasets.

Teaching Assistant, Miami University, Oxford, OH, United States (AU13, SP14)

- Assisted professors teaching Economics courses (*Game Theory with Economic Applications* and *Examining Economic Data and Models* in SP14, and *Principles of Microeconomics* in AU13, SP14 semesters) with grading assignments, holding exam review sessions, and proctoring exams.

PROFESSIONAL LEADERSHIP/SERVICE

Referee for peer-reviewed journals:

Addiction (×3), Alcohol and Alcoholism (×1), American Journal of Preventive Medicine (×2), Behavioral Sciences (×1), BMJ Open (×4), Cochrane Database of Systematic Reviews (×1), Drug and Alcohol Dependence Reports (×4), Environmental Science & Technology (×1), International Journal of Environmental Research and Public Health (×3), Journal of Population Economics (×2), Nicotine & Tobacco Research (×17), Preventive Medicine (×3), Preventive Medicine Reports (×2), Tobacco Control (×6), Tobacco Induced Diseases (×2), Tobacco Use Insights (×1)

Abstract reviewer for academic conferences:

GLMA's 44th Annual Conference on LGBTQ+ Health
National Institutes of Health Tobacco Regulatory Science Fall 2026 Meeting
Society for Research on Nicotine and Tobacco 2024 Annual Meeting
National Institutes of Health Tobacco Regulatory Science Fall 2023 Meeting
American Public Health Association 2022 Annual Meeting
American Society of Health Economists 11th Annual Conference
AcademyHealth 2022 National Health Policy Conference, “Science and Technology Policy” theme
AcademyHealth 2022 Annual Research Meeting, “Public and Population Health” theme

Organizer and session chair for conference:

Midwest Economics Association 2023 Annual Meeting, “Health Economics Analysis and Preference Research in Cancer Prevention and Control”

Discussant for conference sessions:

American Society of Health Economists 2024 Annual Conference
American Society of Health Economists 2023 Annual Conference
Midwest Economics Association 2023 Annual Meeting
American Society of Health Economists 2021 Annual Conference (virtual)
Western Economic Association International 2020 Annual Conference (virtual)
Western Economic Association International 2018 Annual Conference

Committee service:

Communications Subcommittee Member, Society for Research on Nicotine and Tobacco Trainee Network Advisory Committee, 2022 – 2024
Member, Society for Research on Nicotine and Tobacco Policy Research Network Advisory Committee, 2022 – 2023

Judge for student-based scientific-research event:

Ohio Academy of Science 2021 State Science Day (interdisciplinary research award)
National LGBT Cancer Network *Cancer Leaders Like Us* Program 2023 Health Disparities Student Paper & Poster Contest

COMMUNITY SERVICE

Member of Tobacco Free Ohio Alliance, 2023 – 2026

Member of Franklin County Tobacco-Free Collaborative, 2023 – 2026

Member of Community Research Advisory Board at Equitas Health, 2023

UNIVERSITY SERVICE

Reviewer for The Ohio State University Postdoctoral Association's professional development awards, Jan. 2022

Member of Organizing Committee for research poster session at the annual Ohio State University Translational Data Analytics Institute Fall Forum, Nov. 2021

MENTORING

Mentored a graduate student in the Committee on the Status of LGBTQ+ Individuals in the Economics Profession (CSQIEP) mentoring program held by the American Economic Association (2022 - 2023)

Mentored five undergraduate students and three graduate students at The Ohio State University (2021 - 2025)

Participated with mentee in a professional workshop ("Building a Diverse Biomedical Workforce Through Communication Across Difference", Grant# U01GM132219, MPIs: Cameron/Unguez) and received mentorship training (2021 - 2022)

Advised undergraduate students interested in Economics about academic courses, graduate school applications and potential careers in the field (2016 - 2019)