

Holden A. Diethorn

ASSISTANT PROFESSOR

Department of Economics, Ascension Hall, Kenyon College, Gambier, Ohio 43022

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Employment

Kenyon College, Department of Economics
ASSISTANT PROFESSOR

Gambier, OH
2023 –

National Bureau of Economic Research
POSTDOCTORAL RESEARCHER

Cambridge, MA
2020 – 2023

Education

University at Albany, SUNY

PH.D., ECONOMICS

Albany, NY
2020

M.A., ECONOMICS

2016

Saint Vincent College

B.S., ECONOMICS, POLITICAL SCIENCE

Latrobe, PA

2013

Research Fields

Primary Field: Labor Economics

Secondary Fields: Economics of Science & Innovation, Immigration, Education

Professional Affiliations

U.S. Census Bureau

SPECIAL SWORN STATUS RESEARCHER

2016 –

Research

WORKING PAPERS

1. **Green Card Quotas and the Misallocation of Talent: Evidence from the STEM Doctoral Labor Market;** [Latest Version](#) (Submitted)
2. **Task Mismatch and Salary Penalties: Evidence from the Biomedical PhD Labor Market** (with Gerald R. Marschke); *NBER Working Paper No. 30919*; [Latest Version](#) (R&R @ *Journal of Labor Economics*)
3. **STEM Employment Resiliency During Recessions: Evidence from the COVID-19 Pandemic** (with James C. Davis, Gerald R. Marschke, and Andrew J. Wang); *NBER Working Paper No. 29568*; [Latest Version](#) (Submitted)
4. **A Machine Learning Approach to Identifying Postdocs in LEHD Data** (with James C. Davis, Gerald R. Marschke, and Andrew J. Wang); [Latest Version](#)

WORK IN PROGRESS

1. **Addressing the Small-n Problem For The Scientific Workforce** (with Gerald Marschke, Elisabeth Perlman, Joseph Staudt, and Bruce Weinberg)
2. **Worker Mobility, R&D Human Capital, and Firm Productivity** (with Erling Barth, James C. Davis, Gerald R. Marschke, and Andrew J. Wang)
3. **The Impact of High-Skilled Immigration on Domestic Workers** (with Richard B. Freeman, Gerald R. Marschke, and Xiupeng Wang) [Working Title]
4. **The Impact of High-Skilled Immigration on Firm Innovation and Productivity** (with Richard B. Freeman, Gerald R. Marschke, and Xiupeng Wang) [Working Title]

5. **Foreign IT Workers and Firms' Investment in IT** (with Wang Jin, Chewei Liu, and Xiupeng Wang) [Working Title]

CONFERENCE PROCEEDINGS

1. **US Engineering Employment During the COVID-19 Pandemic** (with James C. Davis, Gerald R. Marschke, Andrew J. Wang); 2022 ASEE Annual Conference Proceedings; ([Link](#))

Presentations

Ohio University's Economics Seminar (<i>Invited Talk</i>) <i>Green Card Quotas and the Misallocation of Talent: Evidence from the STEM Doctoral Labor Market</i>	2024
Ohio State University's Consumer Sciences Seminar (<i>Invited Talk</i>) <i>Green Card Quotas and the Misallocation of Talent: Evidence from the STEM Doctoral Labor Market</i>	2023
Academy of Management (AOM) 2023 Annual Meeting <i>Task Mismatch and Salary Penalties: Evidence from the Biomedical PhD Labor Market</i>	2023
International Conference on the Science of Science & Innovation (ICSSI) 2023 <i>Green Card Quotas and the Misallocation of Talent: Evidence from the STEM Doctoral Labor Market</i>	2023
NBER Investments in Early Career Scientists: Promoting Diversity in Science Careers (Spring 2023) <i>Green Card Quotas and the Misallocation of Talent: Evidence from the STEM Doctoral Labor Market</i>	2023
U.S. Census Bureau Center for Economic Studies (CES) Seminar (Spring 2023) <i>Green Card Quotas and the Misallocation of Talent: Evidence from the STEM Doctoral Labor Market</i>	2023
American Economic Association (AEA) 2023 Annual Meeting <i>STEM Employment Resiliency During Recessions: Evidence from the COVID-19 Pandemic (Poster)</i>	2023
NBER Summer Institute 2022: Science of Science Funding <i>Task Mismatch and Salary Penalties: Evidence from the Biomedical PhD Labor Market</i>	2022
American Society of Engineering Education (ASEE) 2022 Annual Conference <i>US Engineering Employment During the COVID-19 Pandemic (Poster)</i>	2022
Society of Labor Economists (SOLE) 2022 Conference <i>Task Mismatch and Salary Penalties: Evidence from the Biomedical PhD Labor Market</i>	2022
American Economic Association (AEA) 2022 Annual Meeting <i>Better Safe than Sorry: The Impact of Green Card Delays on the Propensity of Foreign STEM Doctorates to Work at Startups (Poster)</i>	2022
NBER Investments in Early Career Scientists: Data and Research Gaps (Fall 2021) <i>Task Mismatch and Salary Penalties: Evidence from the Biomedical PhD Labor Market</i>	2021
NBER Investments in Early Career Scientists: Data and Research Gaps (Fall 2021) <i>Leveraging Census Data to Study the PhD (and Postdoc) Labor Market</i>	2021
Society of Labor Economists (SOLE) 2021 Conference <i>Better Safe than Sorry: The Impact of Green Card Delays on the Propensity of Foreign STEM Doctorates to Work at Startups</i>	2021
Society of Labor Economists (SOLE) 2021 Conference <i>Exploring the STEM Worker Advantage in Weathering the COVID-19 Recession</i>	2021

Bruce Weinberg Micro Research Group Seminar <i>The Biomedical Postdoc Salary Penalty: Evidence and Possible Explanations</i>	2020
Census Bureau @ Cornell Seminar Series <i>Postdoc Career Paths and Labor Market Outcomes</i>	2020
2019 IRIS Summit <i>Postdoc Career Paths and Labor Market Outcomes</i>	2019

Teaching Experience

Kenyon College

ASSISTANT PROFESSOR

2023 –

- Principles of Microeconomics, Fall 2023 (2 sections)
- Principles of Macroeconomics, Spring 2024
- Labor Economics, Spring 2024

University at Albany, SUNY

INSTRUCTOR OF RECORD

2015 – 2017

- Intermediate Macroeconomics: Spring 2017 (2 sections), Fall 2015 (1 section)
- Labor Economics: Summer 2015 (1 section)

Honors & Awards

ICSSI Travel Award

2023

The Kellogg School of Management at Northwestern University

Coleridge Initiative Applied Data Analytics Training Full Scholarship

2019

National Science Foundation (NSF)

Helen Horowitz Award for Outstanding Teaching

2017

University at Albany, SUNY

Pong S. Lee Endowment Award for Outstanding Research

2016

University at Albany, SUNY

Service, Outreach, and Development Activities

Jeffrey S. Williams Award for Integrative Study in Psychology and Economics

2024

Committee Member, Kenyon College

Coleridge Initiative Applied Data Analytics Program, Attendee

2019

National Science Foundation (NSF)

Grad School Panel Q&A, Panelist

2015

Office of Career and Professional Development, University at Albany, SUNY

UAlbany College Teaching Symposium for Graduate Students, Attendee

2013

Institute for Teaching, Learning, & Academic Leadership, University at Albany, SUNY