

NOLAN FEENY

+1 (517)599-1030 ◊ feenyno@umich.edu
Website ◊ Google Scholar ◊ Github ◊ LinkedIn

EDUCATION

University of Michigan Ph.D. in Industrial & Operations Engineering (GPA: 3.9/4.0)	2027 (expected)
University of Michigan B.S.E. and M.S.E. in Industrial & Operations Engineering (GPA: 3.8/4.0)	2020

RESEARCH INTERESTS

Methods: risk analysis, simulation, game theory, machine learning, optimization
Applications: supply chains, infrastructure systems, sustainability, resilience, ethics

JOURNAL PAPERS

Feeny, Nolan, A. White, and S. Guikema, “A quantitative spatial approach to estimate cellular network coverage during natural hazards using publicly available data,” *Journal of Infrastructure Preservation and Resilience*, vol. 7, no. 1, p. 14, 2026.

Nolan Feeny, R. Flage, and S. Guikema, “Collective Action vs. Individual Action AND A Discussion of The Ethics of Using Large Language Models in Research,” *Risk Analysis*, 2026.

SUBMITTED PAPERS

WORKING MANUSCRIPTS

Nolan Feeny and S. Guikema, “Improving Synthetic Supply Chain Network Generation Techniques,” *Taylor & Francis, International Journal of Production Research*, 2026.

C. Doehring, **Nolan Feeny**, Z. Cajigas, M. Zheng, and S. Guikema, “Improving How the IPCC Addresses Uncertainty through Knowledge Decomposition,” *npj Climate Action*, 2026.

Nolan Feeny and S. Guikema, “What can location-based services data reveal about Supply Chain Networks? An ALDI case study,” *Taylor & Francis, International Journal of Production Research*, 2026.

TEACHING EXPERIENCE

Primary Instructor, Engineering Economics (IOE 201)	Fall 2026
Invited guest lecturer, PhD Seminar (IOE 802)	Oct 2026
Invited guest lecturer, AI: The Future of Work (IOE 491)	Sep 2026
Course Designer, AI: The Future of Work (IOE 491)	Summer 2026
Graduate Student Instructor, Risk Analysis (IOE 561)	Winter 2026
Invited guest lecturer, PhD Seminar (IOE 802)	Oct 2025
Graduate Student Instructor, Derivative Instruments (IOE 453)	Fall 2025
Invited guest lecturer, Risk Analysis (IOE 561)	Feb 2025
Graduate Student Instructor, Game Theory (IOE 517)	Fall 2024
Invited guest lecturer, Simulation (IOE 574)	Nov 2023
Graduate Student Instructor, Design Your Engineering Experience (ENGR 110)	Fall 2020

INDUSTRY EXPERIENCE

Epic Systems

2021 - 2023

Technical Solutions Engineer

Verona, WI

- Managed projects of scope ranging from high-level operations to technical system details with nurses, analysts, directors, & executives
- Facilitated smooth transitions during go-lives by traveling and training hospital and clinic staff onsite
- Communicated confidential and sensitive information to managers and directors in high-pressure environments with a calm sense of urgency

Stoneridge Inc

Summer 2020

Tauber Global Operations Intern

Ann Arbor, MI

- Formalized Sales & Operations Planning process to streamline proactivity for MirrorEye, an emerging product with significant expected increase in demand
- Forecasted 5 different demand scenarios during a pandemic to ensure robust production preparedness for the short and long term future
- Recommended production capacity changes using ProModel simulation to increase inventory turns by 280% and decrease days of inventory by 65% by 2025

Dow Chemical

Summer 2019

Supply Chain Intern

Midland, MI

- Quantified value of potential new truck center to recommend decision on its purchase
- Analyzed plant shutdown and emissions datasets to identify cost reducing measures of \$14m
- Visualized emissions via Power BI with a team of 6 to highlight sustainable trucking carrier options

MECC Consulting Group

2018–2020

Consultant, External VP, Advisor

Ann Arbor, MI

- Spearheaded Chicago trip to encourage professional and social networking while facilitating partnerships with consulting, finance, and operations companies
- Mentored roughly 20 newer members by providing networking opportunities, casing, resume reviews, and behavioral preparation
- Recommended ticket pricing strategy using 600,000+ rows of data from the Detroit Lions ticket office for rollout of new online markets via Excel, Pivot Tables, and Tableau

CONFERENCES AND SYMPOSIUMS

Society of Risk Analysis	Atlanta, Dec 2026
INFORMS	San Francisco, Nov 2026
Allied Social Science Associations	Philadelphia, Jan 2026
Society of Risk Analysis	Washington DC, Dec 2025
IOE 70th Anniversary Symposium	Ann Arbor, Oct 2025
European Safety and Reliability (ESREL) and SRA Europe	Norway, June 2025
Michigan Student Symposium for Interdisciplinary Statistical Sciences	Ann Arbor, March 2025
INFORMS	Seattle, Oct 2024
Society of Risk Analysis (SRA)	Washington DC, Dec 2019

SERVICE

Engineering Teaching Consultant	2025-2027
INFORMS UofM Chapter President	2026
IOE Undergraduate Research Symposium Judge, Presenter	Oct 2026
Summer Research Mentor	Summer 2026
Rising Stars Workshop Judge	March 2026
Engage Detroit Volunteer	July 2025
Student Recruitment Visit Weekend Volunteer	Feb 2025
INFORMS UofM Chapter Vice President	2025
IOE Student Leadership Board Co-President	2024–2026
Summer Research Mentor	Summer 2024
Adventure Student Workshop Volunteer	May 2024
Graduate Application Mentoring Program Mentor	2023–Present
UofM Science Olympiad Invitational Volunteer	Feb 2024
Engineering Honors Graduate School Info Session Panelist	Feb 2024
Engineering Honors Recruitment Volunteer	Feb 2024
MSI Connect Ambassador	Jan–Aug 2024
EGL Panel member	Nov 2023
SWE Conference exhibitor for IOE recruitment	Oct 2023
IOE Graduate School Workshop Panel Member	Oct 2023
Campus Symphony Orchestra Manager	2023–2024
Industry Mentor for Student Consulting Group	2021
Tutor for Student Athletes	2020
Project Advisor for Student Consulting Group	2019-2020

AWARDS

SRA Travel Award	2026
Summa Cum Laude INFORMS Award	2025–2026
Department Nominee for University Outstanding Graduate Student Instructor	April 2026
ADGPE Community Grant	Oct 2024
Departmental Bonder Fellowship Recipient	Aug 2024
Rackham Travel Grant	2024–2026
Best Poster Award, Society of Risk Analysis	Dec 2019

PERSONAL

Achievements	Eagle Scout, marathon finisher, concert cellist & pianist
Interests	Exercise, music & film production, sports, nature & outdoor activities