

Megan Chan

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Education	Northwestern University , Evanston IL Ph.D. Industrial Engineering and Management Sciences, June 2026 M.S. Industrial Engineering and Management Sciences, June 2022 California Polytechnic University , San Luis Obispo CA B.S. Industrial Engineering, June 2019 <i>Summa Cum Laude</i>
Research	Graduate Student Researcher , SONIC Lab Aug. 2021 - Present <ul style="list-style-type: none">Applied multi-objective and global optimization techniques to reconceptualize performance measurement in spaceflight multiteam systemsUtilized autologistic actor attribute models to identify social network relations with multiteam system performanceInvestigated interpersonal conflict in team environments
Conferences	Chan, M. , Izadina, N., DeChurch, L., Waechter, A., Contractor, N. (2023, April 19-22). <i>Measuring Multiteam System Performance with Multi-Objective Optimization</i> . [Accepted Poster Presentation]. SIOP Annual Conference, Boston, MA, United States. Chan, M. , Izadina, N., DeChurch, L., Waechter, A., Contractor, N. (2022, October 16-19). <i>A Quantitative Approach to Stratify and Measure Performance of Multi-Team Systems</i> . [Conference Presentation]. INFORMS Annual Meeting, Indianapolis, IN, United States.
Awards	NASA Human Research Program , \$25,000 in funding 2022 Grant Augmentation Competition for Students and Postdocs PRISM: Performance Reimagined in Spaceflight Multiteam Systems Northwestern University <ul style="list-style-type: none">Segal Design Cluster Fellowship 2022 - 2023Royal E. Cabell Fellowship 2021 - 2022Harold Richards Graduate Fellowship 2021 - 2022
Workshops	NextProf Pathfinder , University of Michigan & UCSD Oct. 2021 <ul style="list-style-type: none">Accepted and attended a two-day workshop focused on how to develop a successful career in academia
Teaching	Teaching Assistant , University of Science & Technology Sept. 2022 - Dec. 2022 <i>COMM6416P: Social Network Analysis</i> <i>Prof. Noshir Contractor</i> <ul style="list-style-type: none">Assembled course material, including syllabus, slide decks, and lab assignmentsAssisted with remote class facilitation

IEMS PhD Bootcamp Instructor, Northwestern University Sept. 2022
Python and MATLAB

- Taught introductory Python and MATLAB review sessions for incoming first year Industrial Engineering and Management Science PhD students

Teaching Assistant, California Polytechnic University Sept. 2018 - Jun. 2019
IME 312: Data management & system design *Prof. Tao Yang*

- Taught lab sessions, performed grading, and held office hours

Senior Leader, Study Sessions Sep. 2017 - Jun. 2019

- Led bi-weekly study sessions for struggling students in introductory math and science topics
- Trained new study session leaders and coordinated program logistics

Professional **Technology Consultant**, Protiviti Jul. 2019 - Aug. 2021

- Analyzed procurement data for a Workday Supply Chain Management software implementation at a large healthcare company
- Visualized key purchasing, invoicing, and receiving metrics with Microsoft Power BI to inform significant conversion decisions

Honors **California Polytechnic University**

- President's List 2017 - 2019
- Outstanding Student Award | College of Engineering 2019

Affiliations **Academic & Professional Organizations**

- NU INFORMS Student Chapter, *Board Member* Jul. 2022 - Present
- Science of Networks in Communities (SONIC) Sep. 2021 - Present
- Systems Optimization Club, *Financial Chair* Sep. 2016 - Jun. 2018
- Society of Women Engineers Sep. 2016 - Jun. 2019

Community & Cultural Involvement

- Protiviti Green Team, *National Office Sustainability Lead* Jan. 2020 - Aug. 2021
- Chinese Student Association, *Lion Dance Team* Sep. 2016 - Jun. 2019

Skills Network Analysis · Optimization · Database Management · Data Visualization

Code Python · R · AMPL · Bash · SQL · VBA · Power BI

References **Northwestern University**, Dept. Industrial Engineering and Management Sciences

- Noshir Contractor, Jane S. & William J. White Professor of Behavioral Sciences
nosh@northwestern.edu

California Polytechnic University, Dept. Industrial and Manufacturing Engineering

- Dr. Tali Freed, Professor & Graduate Program Coordinator
tfreed@calpoly.edu

Protiviti, Technology Consulting - Enterprise Application Solutions

- Payal Shah, Managing Director
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