

Shirin Shahsavand

sshahsavand@ucsd.edu

Education

Washington State University <i>Ph.D. in Operations Management</i> 2025	Pullman, WA <i>Expected</i>
Washington State University <i>M.Sc. in Business Administration, Operations and Management Science</i> 2023	Pullman, WA <i>December</i>
Washington State University <i>M.Sc. in Statistics and Data Analytics</i>	Pullman, WA <i>May 2023</i>
University of Toronto <i>B.Sc. in Computer Science and Biochemistry</i>	Toronto, Canada <i>June 2015</i>

Projects and Research Papers

- [1] **Shahsavand S**, Mayo K, Ball G, Wowak K (2025) Female FDA Inspectors and Medical Device Plant Inspections. *Manufacturing & Service Operations Management*. Under review.
- [2] Munson C, **Shahsavand S** (2024) Smart Scheduling to Minimize Downtime on Automated Dispensing Machines (Case Study). *Operations Research Forum*. Revision submitted.
- [3] **Shahsavand S**, Xiao Y, Mayo K, Munson C (2025) Apparel Take-Back Programs: Pricing and Environmental Impact. *Production and Operations Management*. Working paper.
- [4] **Shahsavand S**, Xiao Y, Mayo K, Munson C (2025) Unlocking the Success of Take-Back Programs: An Empirical Study of Key Drivers in the Apparel Industry. Work-in-progress (empirical analysis).
- [5] **Shahsavand S**, Mayo K, Wowak K (2025) The Impact of Sustainable Operations on Medical Device Recall Decisions and Product Quality. Work-in-progress (empirical analysis).

Conference Presentations

- [1] "Female FDA inspectors and medical device plant inspections," *INFORMS*, Seattle, WA, 2024.
- [2] "Impact of female investigators on FDA medical device inspection outcomes and product quality," *Production and Operations Management Society Conference*, Minneapolis, MN, 2024.
- [3] "Helping retailers take back used clothing to save the environment," *Production and Operations Management Society Conference*, Minneapolis, MN, 2024.
- [4] "Impact of female investigators on FDA inspection outcomes," *INFORMS*, Phoenix, AZ, 2023.
- [5] "Mitigating the environmental risk of apparel supply chains by clothing the loop," *Production and Operations Management Society Conference*, Orlando, FL, 2023.

Teaching Experience

Instructor	University of California San Diego
<i>MGT 413—Operations Management (MBA Core)</i>	Winter 2025
<i>MGT 453—Supply Chain Management (MBA Elective)</i>	Spring 2025
Instructor	Washington State University
<i>EM 560—Integrated Supply Chain Management (Professional Graduate Elective)</i>	Fall 2024
<i>(5/5) MgtOp 340—Operations Management</i>	Fall 2023 (4.8/5)
<i>MgtOp 215—Business Statistics (4.6/5)</i>	Spring 2023
<i>MgtOp 215L—Business Statistics Online Lab (4.8/5)</i>	Summer 2021
Teaching Assistant	Washington State
University <i>MgtOp 340—Operations Management</i>	Fall 2022, Spring
<i>2024 MgtOp 470—Business Modeling with Spreadsheets</i>	Fall 2020/21, Spring 2021/22

Selected Honors and Awards

- WSU Carson College of Business Outstanding Doctoral Student Instructor Award, 2024.
- WSU Carson College of Business Three-Minute Thesis, Second place, 2024.
- WSU Graduate Student Research Exposition, Third place, 2023.
- WSU Graduate and Professional Student Association Award of Excellence for Teaching Assistance, 2022.

Professional Memberships and Activities

- Selected to the FutureBAProf program at the University of Iowa, 2023.
- Selected as a participant in the INFORMS To My Younger Self program, 2022.

Professional Memberships

- The Institute for Operations Research and the Management Sciences (INFORMS)
- Production and Operations Management Society (POMS)
- The Decision Sciences Institute (DSI)

Professional Service

- WORMS Diversity, Equity, and Inclusion (DEI) Liaison, INFORMS, 2022–Present.
- POMS Session Organizer, 2023.
- Publicity & WWW & Social Media Chair, *The 14th International Conference on Intelligent Environments*, Rome, Italy, 2018.

Work Experience

Washington State University	Pullman, WA
<i>Operations Manager, Voiland College of Engineering Online Programs 2022</i>	Sept. 2016–Aug.
<ul style="list-style-type: none">Managed the daily operations of the college's online programs.Collaborated with the college's industry partners, including Boeing, Lockheed Martin, and Microsoft, to develop industry-focused curriculum and support student recruitment efforts.Developed and maintained a student database and data analytics tools.	
Persona Nutrition	Snoqualmie, WA
<i>Efficiency Analyst (Part-Time Consulting Work) 2022</i>	Jan. 2021–May
<ul style="list-style-type: none">Developed reporting and analytics tools for production data.	

Washington State University

Manager, Smart Environments Research Center (SERC)
2016

- Developed mobile applications for smart environments research.

Pullman, WA

Mar. 2013–Sept.

Community Service

WSU Entrepreneurship Skills and Knowledge Accelerator

Volunteer

Pullman, WA

June 2022

Eureka! Palouse Tinkering and Tutoring Center

*Chair of the Computing Committee
2017*

Moscow, ID

Sept. 2015–Dec.

First Lego League (FLL)

*Club Advisor
2017*

Moscow, ID

Sept. 2016–Dec.

Girls Who Code (GWC)

*Founder and Club Director
2016*

Moscow, ID

Sept. 2015–May

- Developed programs for children ages 4–18.
- Maintained the center's website and developed an online registration system.

- Coached a team of girls who advanced to regional FLL competitions.

Software Skills

Statistics and Data Science

Stata, R, SAS, Pandas and NumPy (under Python)

Optimization

MATLAB, GAMS, Gurobi

Programming

Python, VBA, JavaScript