

Leslee Jayne Weible

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PROFESSIONAL SUMMARY

Graduate researcher with experience in product testing, apparel technology, and interdisciplinary design. Skilled in research, technical equipment operation, and collaborative project work. Brings strong communication, organization, and problem-solving abilities to academic and industry environments.

EDUCATION

Iowa State University – Ames, IA

- Ph.D student in Apparel, Merchandising, and Design

Central Michigan University – Mount Pleasant, MI

- M.S in Apparel Product Development and Merchandising Technology
- B.S in Electrical Engineering: Minors in Math & Fashion Design

Waterford Institute of Technology – Waterford, Ireland

Spring 2018

- Electrical Engineering Study Abroad Experience

WORK EXPERIENCE

Iowa State University, Ames, IA

Graduate Work/Research Assistant

August 2023 – Current

- Conduct market evaluation and research on Alaskan commercial fishing industry hand PPE
- Provide support in administrative duties
- Create and maintain contacts within the current research fields
- Assist with writing and editing of academic literature

Central Michigan University, Mount Pleasant, MI

Graduate Work/Research and Teaching Assistant

January 2021 – May 2023

- Conduct research and contribute to academic writing
- Provide classroom support and advocate for student success

Center for Merchandising and Design Technology Lab Assistant

November 2019 – July 2023

- Testing of a variety of products for external customers and faculty
- Research concepts and technologies and conduct literature review
- Training in calibration and use of research technology such as thermal manikins, hot plate, body scanner, and environmental chambers

Kohl's, Mt. Pleasant, MI

June 2022 – July 2022

Store Management Intern

- Lead merchandising and maintenance of a store area
- Assist in tasks for managing store on a day to day basis

Yanfeng Automotive Interiors, Holland, MI

May 2019 – August 2019

Product Engineering Intern

- Assisted in the day to day operations of the Soft Trim Cell
- Lead a project in patternmaking and application for testing
- Researched and created a decision tree and training manual for adhesives

SKILLS AND RELATED EXPERIENCE

- **Experience with technology:** Keyence, Lectra, Digitizer, Maker Marker, Optitex, CMM, Adobe Creative Suites, Body scanner, Environmental Chamber, Thermetrics equipment, Laser Cutter, Rhino 3D, Wacom tablet, Panopto, SketchUp, Visual Retailer/Mockshop, Canva, Browzwear, ADIN, Outlook, Microsoft Office, Matlab, Tekscan, COMPAQ
- **Languages:** Introductory skills in Java, R, MATLAB, German

- **Classwork:** Draping (Basic and Advanced), Patternmaking, CAD for Fashion, Electronic Textiles, 3D Printing and Fashion, Apparel Presentation Technology, International Marketing

CAMPUS INVOLVEMENT

AMD Graduate Student Association, Ames, IA November 2023 – Current
Member

Fashion Graduate Student Association, Mt. Pleasant, MI September 2021 – May 2023
President

- Manages and organizes meetings/events
- Delegates tasks to ensure timely results

American Association of Textile Chemists and Colorist, Mt. Pleasant, MI September 2019 – May 2023
President

- Manages and organizes educational meetings/events with an emphasis on textile sustainability and technology
- Fosters relationship between Central Michigan and the national branch of AATCC

PUBLICATIONS

Articles

Weible, L.J., DeSimpelare, K., Domina, T., & Wroblewski, S. (2021). Baby manikin opens doors to research opportunities. *AATCC Review*.

Weible, L., Domina, T., Lee, D. D., Agnew, L., Xu, S., Zhang, T., Zou, C., & Alam, M. I. (2023). Evaluating the disposable diaper microclimate utilising an infant thermal manikin: An exploratory study. *International Journal of Fashion Design, Technology and Education*, 1–10. <https://doi.org/10.1080/17543266.2023.2255880>

Weible, L. J., Domina, T., Dankwa, R., & Agnew, L. (2025). Recommended base layer ensemble for testing winter outdoor apparel using an infant thermal manikin. *International Journal of Fashion Design, Technology and Education*, 1-11. <https://doi.org/10.1080/17543266.2025.2476543>

Domina, T., Agnew, L., Weible, L. J., & Dankwa, R. (2026). An exploratory study on babywearing and the effects of heat interaction and thermal comfort utilizing thermal manikins. In Review for *Clothing and Textile Research Journal*.

Weible, L. J., Zhang, M., Li, R., & Song, G. (In Press). Protective Textiles in Cold-Wet Extreme Environments: A Narrative Review of Materials, Testing, and Glove Performance in Commercial Fishing. *Textile Research Journal*.

Conference Proceedings

Weible, L. J., and An, S. (2022, October). Adaptive clothing for people affected by Parkinson's Disease. In *International Textile and Apparel Association Annual Conference Proceedings* (Vol. 79, No. 1). Iowa State University Digital Press.

Weible, L. J., and Kumphai, P. (2022, October). It's getting hot in here: Assessing thermal responses of wheelchair users using thermal camera. In *International Textile and Apparel Association Annual Conference Proceedings* (Vol. 79, No. 1). Iowa State University Digital Press.

Weible, L. J. & Domina, T. (2024, November 19-23). *In this together: The creation of a tandem thermal manikin testing protocol for a babywearing system* [Conference presentation]. International Textile and Apparel Association Annual Conference, Long Beach, CA, United States.

Weible, L. J., Zhang, M., Li, R., Eike, R., & Song, G. (2024, November 19-23). *Where's the line? The lack of testing and need for standardization for commercial fishing gloves* [Poster session]. International Textile and Apparel Association Annual Conference, Long Beach, CA, United States.

Esfahani, B. H., Chae, H., Weible, L. J., Hossain, M. J., Ortiz-Pellot, A., & Xiang, C. (2025, January). Comparative analysis of environmentally conscious fiber blends in yoga leggings: Exploring comfort and performance factors. In *International Textile and Apparel Association Annual Conference Proceedings* (Vol. 81, No. 1). Iowa State University Digital Press.

Weible, L. J., Zhang, M., Li, R., & Song, G. (2025, October 15-16). Understanding Glove Manual Performance in Commercial Fishing: Insights from Simulated Wet Testing. *13th International Manikin & Modelling Meeting (I3M) and The Clothing and Textile Sciences Research Meeting (CTSRM) 2025 Conference Proceedings*, 28. <https://manifold.open.umn.edu/projects/65f6f5d6-4a12-4337-81fe-57255ada8cdf/resource/4e6bd441-22d3-4a52-9873-a63dc974d613>

Non-peer Reviewed Conference Presentations

Weible, L. J. & Kumphai, P. (2022, April) *It’s getting hot in here: Assessing thermal responses of different clothing ensembles on wheelchair users*. Student Creative and Research Endeavors Exhibition [Poster session]. Central Michigan University.

Weible, L. J. & An, S. (2023, April) Adaptive clothing for people affected by Parkinson’s Disease. Student Creative and Research Endeavors Exhibition [Poster session]. Central Michigan University.

Weible, L. J., Zhang, M., Li, R., & Song, G. (2025, April 23). *Understanding manual performance of fishing gloves tested in wet and dry conditions: A pilot study* [Poster session]. Graduate Research and Innovation Showcase, Ames, IA, United States.

Creative Endeavors

An, S. & Weible, L. (November 10, 2023). *One in All, All in One*. Limited Production. A dress with a structured top and a skirt created using a modified jabara pattern accompanied by a shawl created using modular, no-sew piecing made from textiles designed from an axolotl study. Design Exhibition, International Textile and Apparel Association. Baltimore, Maryland.

- Level: International
- Retrievability: ITAA 2023 Design Catalog
- Number of Entries Submitted: 75
- Number of Entries Selected: 1 mounted exhibit and 35 gallery
- Acceptance Rate: 44%

COMMUNITY INVOLVEMENT

International Textile and Apparel Association	March 2024 – Current
<i>Member</i>	
University Innovation Fellowship Program	
<i>Fellow</i>	September 2022 – May 2023
<i>Mentor</i>	August 2023 – December 2023
Ames Quilt Guild, Ames, IA	January 2024 – December 2025
<i>Member</i>	
Ames Repair Cafe, Ames, IA	February 2024
<i>Sewing Repairs Volunteer</i>	

HONORS AND RECOGNITION

Honors Program Graduate, Centrallis Scholarship

University Innovation Fellow, Stanford D School 2022

Threads Fashion Show Designer 2022-2023

ITAA Design Exhibition 2023

College of Human Sciences scholarship awardee, 2024

Media Highlights

[Conference presentations](#)

[Apparel advocacy](#)

[Exploring the science behind diapers](#)

[Material Matters](#)

[Becoming the agents of change](#)

[Representing NexGenPPT](#)