

Jeyeon Jo

213 Barrow Hall, Athens, GA 30602 • (607) 319-6607

jeyeonjo@uga.edu

EDUCATION

- Cornell University** Ithaca, NY
Ph.D., Human Centered Design, Concentration in Apparel Design August 2023
Dissertation: *Body Monitoring using Garment-friendly Wearable Sensors*
Advisor: Dr. Heeju Park
- Seoul National University** Seoul, South Korea
M.S., Textiles, Merchandising and Fashion Design February 2017
Thesis: *Clothing Acculturation of North Korean Female Defectors in South Korea*
Advisor: Dr. Jisoo Ha
- Seoul National University** Seoul, South Korea
B.S., Textiles, Merchandising and Fashion Design August 2014

ACADEMIC APPOINTMENTS

- University of Georgia** Athens, GA
Assistant Professor, Textiles, Merchandising, and Interiors August 2023 – Present
- <Creativity in Fashion and Interiors>
- Cornell University** Ithaca, NY
Graduate Research Assistant, Performance Apparel Design Lab August 2019 – July 2023
- <Smart Clothing: Design and Programming> Prepared teaching materials for in-class practices in CircuitPython programming, textile sensor fabrication, and wearable product design projects. Technically supported student projects and organized an exhibition.
 - <Activewear Design and Product Development> Ran in-class practices for CLO 3D. Sample compression shirt fabrication and technical support for student projects.
- Mongolia International University** Ulaanbaatar, Mongolia
Full-time Lecturer, Department of Fashion Design August 2017 – June 2019
- <Sewing Techniques>, <Fashion Design 1 & 2>, <Pattern Drafting 1 & 2>, <Draping>, <Digital Design>, and <Senior Fashion Portfolio>.
 - Mentored students for overall campus life, club activities and annual fashion shows.
 - Served as the department chair (Fall 2018 – Spring 2019).
- Seoul National University** Seoul, South Korea
Graduate Research Assistant, Fashion Design Lab July 2014 – August 2016
- Conducted research about design, branding, and marketing strategies for a Korean outdoor fashion brand, NEPA.

PEER-REVIEWED PUBLICATIONS

8. (Under review) **Jo, J.**, & Park, H., Stretchable Fiber Optic-Embedded Gait Monitoring Insole.
7. **Jo, J.**, & Park, H., (2023). Machine Embroidery Enclosure for Stretchable Fiber Optic Respiration Sensor. *Advanced Sensor Research*.
6. **Jo, J.**, & Park, H. (2023). Fit of fire boots: exploring internal morphology using computed tomography. *International Journal of Occupational Safety and Ergonomics*, 1-10.
5. Lim, H., Zhang, R., Pendyal, S., **Jo, J.**, & Zhang, C. (2023, March). D-Touch: Recognizing and Predicting Fine-grained Hand-face Touching Activities Using a Neck-mounted Wearable. *In Proceedings of the 28th International Conference on Intelligent User Interfaces* (pp. 569-583).
4. **Jo, J.**, Xu, A., Mishra, A. K., Bai, H., Derkevorkian, A., Rabinovitch, J., Park, H., & Shepherd, R. F. (2022). Measurement of Parachute Canopy Textile Deformation Using Mechanically Invisible Stretchable Lightguides. *Advanced Materials Technologies*, 2200437. [DOI](#)
3. **Jo, J.**, Sokolowski, S., McQuerry, M., Griffin, L., & Park, H. (2022). Firefighters' feet: Differences by sex and weight-bearing. *Applied Ergonomics*, 102, 103753. [DOI](#)
2. Choi, S. Y., **Jo, J.**, Lee, Y., Ha, J., & Lee, J. (2022). A cross-cultural study of the proximity of clothing to self between millennial women in South Korea and Mongolia. *Fashion and Textiles*, 9(1), 1-23. [DOI](#)
1. **Jo, J.**, & Ha, J. (2018). Clothing acculturation of North Korean female defectors in South Korea. *Fashion and Textiles*, 5(1), 1-15. [DOI](#)

INVITED BOOK CHAPTER

- (Under 2nd review) **Jo, J.**, Conroy, M., & Park, H. Textile Interface for Wearable Sensors. *Bloomsbury Encyclopedia of World Textiles*.

PEER-REVIEWED CONFERENCE PROCEEDINGS

13. **Jo, J.** & Park, H. (2022). Machine Embroidery Enclosure for Stretchable Fiber Optic Respiration Sensor. *2022 Annual Conference of ITAA (International Textile and Apparel Association)*, Denver, CO.
12. **Jo, J.** & Baytar, F. (2022). Generative pants pattern making for optimized fit in mass customization. *2022 Annual Conference of ITAA (International Textile and Apparel Association)*, Denver, CO.

11. **Jo, J.** & Park, H. (2021). Fiber Optic-embedded Gait-Tracking Insole for Detection of Toe-Walking in Children with Autism Spectrum Disorder. *2021 Annual Conference of ITAA (International Textile and Apparel Association)*.
10. **Jo, J.**, Zhang, Z., Griffin, L., Sokolowski, S., McQuerry, M. & Park, H. (2021). Differences in Foot Measurement between Female and Male Firefighters. *2021 Annual Conference of ITAA (International Textile and Apparel Association)*. [DOI](#)
9. **Jo, J.**, Kong, D. & Park, H. (2021). BLInG: Beads-Laden Interactive Garment. In *2021 International Symposium on Wearable Computers (ISWC '21)*. Association for Computing Machinery, New York, NY, USA, 189–193. [DOI](#) [Video](#)
8. **Jo, J.** & Park, H. (2021). RFInsole: Batteryless Gait-Monitoring Smart Insole Based on Passive RFID Tags. In *2021 International Symposium on Wearable Computers (ISWC '21)*. Association for Computing Machinery, New York, NY, USA, 189–193. [DOI](#) [Video](#)
7. **Jo, J.** & Kao, C. H. (2021). SkinLace: Freestanding Lace by Machine Embroidery for On-Skin Interface. Extended Abstracts of the 2021 *CHI Conference on Human Factors in Computing Systems*. Association for Computing Machinery, New York, NY, USA, Article 444, 1–6. [DOI](#) [Video](#)
6. **Jo, J.** & Park, H., (2020) “Fit of Fire Boots: CT (Computerized Tomography) Scan and 3D Simulation”, *International Textile and Apparel Association Annual Conference Proceedings* 77(1). [DOI](#)
5. **Jo, J.** & Park, H., (2020) “Head Orientation Monitoring with Wearable RFID for Detection of Lateral Glance of Children with Autism Spectrum Disorder”, *International Textile and Apparel Association Annual Conference Proceedings* 77(1). [DOI](#)
4. Choi, S. Y., Lee, J., **Jo, J.**, Ha, J., & Lee, Y. (2018). A Cross-cultural Study of Proximity of Clothing to Self between South Korea and Mongolia. *2018 Annual Conference of ITAA (International Textile and Apparel Association)*, Cleveland, Ohio.
3. Choi, S. Y., Lee, J., & **Jo, J.** (2018). Zero-waste pattern making for Deel, the Mongolian traditional costume. *2018 SFTI International Conference*, Portugal.
2. **Jo, J.**, Lee, J., Choi, S. Y., Ha, J. & Lee, Y. (2018). A cross-cultural comparison of the effect of individualism-collectivism on the proximity of clothing to self. *2018 ICCT (International Conference on Clothing and Textiles)*, Seoul, South Korea.
1. **Jo, J.**, & Ha, J. (2017). Clothing acculturation of North Korean female defectors in South Korea. *2017 Spring Conference of Korean Society of Clothing and Textiles*, Seoul, South Korea.

PATENTS

Title Machine Embroidery Enclosure for Stretchable Fiber Optic Sensor
Inventors Huiju Park and Jeyeon Jo
Status (Date) Filed (Jan 12, 2022)
Application No. 63/298,847

Title Stretchable Fiber Optic Plantar Pressure Sensor
Inventors Huiju Park and Jeyeon Jo
Status (Date) Filed (Jul 7, 2021)
Application No. 63/219,283

Title Woven On-Skin Electronics
Inventors Cindy Hsin-Liu Kao, Ruoqia Sun, Ryosuke Onose, Margaret Dunne, Kunpeng Huang, Pin-Sung Ku, Heather Kim, and Jeyeon Jo
Status (Date) Filed (Jul 1, 2020)
Application No. 63/185,908

HONORS & AWARDS

Human Service Studies Graduate Fellowship 2022
College of Human Ecology, Cornell University

Winner, 2022 FSAD Graduate Student Speaking Competition 2022
Department of Human Centered Design, Cornell University

Best Brief, 2021 International Symposium on Wearable Computers (ISWC '21) 2021
Association for Computing Machinery (ACM)

Roberta G. 1957 and the John B. 1956 De Vries Graduate Student Award 2020
Department of Fiber Science & Apparel Design, Cornell University

Best Poster Award 2017
2017 Spring Conference of Korean Society of Clothing and Textile Conference

Lecture & Research Scholarship 2015, 2016
Seoul National University

Encouragement Award, 2014 Student Directed Education Program 2014
Faculty of Liberal Education, Seoul National University

Development Fund Scholarship 2013, 2014
Seoul National University

Superior Academic Performance 2009
Seoul National University

Work & Study Scholarship 2009
Seoul National University

GRANTS & FELLOWSHIPS

IGNITE Cornell Research Gap Funding Program

September 2021 – August 2022

Topic *Gait-Monitoring Fiber Optic Shoe Insole*
PI Huiju Park and Jeyeon Jo
Source Cornell Technology for Licensing IGNITE Research Acceleration
Amount \$41,400
Period Sep 2021 – Aug 2022

HEAA Alan D. Mathios Research and Service Grant

April 2020 – August 2020

Topic *Passive RFID tag-based Wearable Idiopathic Toe Walking Detection Device*
PI Jeyeon Jo
Source College of Human Ecology, Cornell University
Amount \$980
Period April 2020 – Aug 2020

EXHIBITIONS

Pianist 2016
Regular Exhibition of the Fashion Group of Seoul National University
JW Marriott Dongdaemun Square Seoul, Seoul, South Korea.

True Romance 2015
Invitational Exhibition of Korea Fashion Illustration Association
Gallery Force, Beijing, China.

Amusement Park 2015
Regular Exhibition of Korea Fashion Illustration Association
Seoul Arts Center, Seoul, South Korea.

PROFESSIONAL EXPERIENCE

Samsung Fashion Institute Remote
Fashion Researcher July 2017 – April 2019

- Researched and reported consumer trends biweekly about textiles, consumer electronics, cultural events, and lifestyles and consumption habits of target customer groups.

Storets, JAE Co., Ltd Seoul, South Korea
Assistant, Data Analysis and Business Development March – June 2017

- Collected and analyzed customer data of a fashion e-commerce, Storets, to contribute to the day-to-day marketing decisions.
- Managed distribution channel expansions to UK fashion retailers (Topshop, ASOS). Communicated with designers and manufacturers, examined the product quality, and shipped the products.

Republic of Korea Air Force Seongnam, South Korea
Military Police Mar 2011 – Feb 2013

- Military service at Seoul Airport

SKILLS

- Garment design and construction
- Machine embroidery, Machine knitting
- 3D body/foot scan
- Textile testing
- Rapid Prototyping: 3D printing, Laser cutting, Silicone rubber casting, Circuit making, etc.
- Adobe Photoshop, Illustrator, Premiere Pro, InDesign
- CLO 3D, Rhino, Grasshopper, Browzwear
- Python, R, Matlab
- Arduino, Circuit Python
- SPSS, Google Analytics