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Hyeonji Julia Lee

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RESEARCH INTERESTS

I explore how people access, interpret, and utilize information, with the goal of designing equitable and user-centered systems and educational approaches.

- **Human Information Behavior**
- **AI in Information Literacy Education**
- **Information Retrieval Systems**
- **User-Centered Systems and Services**

EDUCATION

Washington State University — May 2026 (Expected)
B.S. in Computer Science

EXPERIENCE

Archival Digitization Assistant — 2025 – present
Manuscripts, Archives & Special Collections, Washington State University

Research Assistant to Professor Tingting Li — 2024 – present
Assistant Professor of Science Education, Washington State University

Backend Developer — 2022 – 2023
PCN, Seoul, Republic of Korea

PUBLICATIONS

In Preparation

CONFERENCE & PRESENTATION

[3] Li, T., Krajcik. J., Akgun, S., Midde, L., **Lee, H. J.**, & Wang, Z. (2025). *Designing 3D Assessments with Generative AI: A Hands-On Workshop for Elementary and Middle School Educators.* A Full day workshop accepted by 2025 National Science Teacher Association (NSTA) professional learning institute (PLI). Minneapolis, MN.

[2] He, P., Li, T., Midde, L., **Lee, H. J.**, & Wang, Z. (2025). *Designing 3D Assessments with Generative AI: A Hands-On Workshop for Elementary and Middle School Educators.* A 4-hour workshop accepted by 2025 Washington Science Teacher Association (WSTA). Tacoma, WA.

[1] **Lee, H. J.**, & Jung, Y. (2025). *Korean and Japanese Student Flows to the U.S. and International Research Collaboration Patterns.* Paper and oral presentation to be delivered at the 51st International Conference of the Japanese Modern Association of Korea (JMAK), Kinki University, Osaka, Japan.

Under Review

[2] Midde, L., **Lee, H. J.**, Wang, Z., & Li, T. *Toward Development: From Customizing Classroom Assessments with ADAPT-AI to Further Supporting 3D Learning Progression.* Paper submitted to the 2026 annual conference of National Association of Research in Science Teaching (NARST), Seattle, WA.

[1] Jin, G., Li, T., **Lee, H. J.**, Xue, Y., He, P., Adesope, O. O., Dydasco, C. G., Sunday, O. J., & Nishida, K. (April, 2026). *Using large language model to analyze chemistry undergraduate students' self-constructed concept maps.* Proposal submitted to the 2026 annual meeting of the American Educational Research Association (AERA), Los Angeles, CA.

PROJECTS

[2] Microsoft AI for Good: Adaptive Assessment System 2025 – present

Contributing as a technical developer to the design of an AI-powered adaptive assessment platform supporting NGSS-aligned, multilingual science curricula in rural elementary classrooms.

[1] National R&D: Meetings, Incentives, Conferences and Exhibitions Project 2022 - 2023

Planned and developed administrative and metaverse management dashboards, optimizing data management and integrating open-source technologies using Java, MySQL, and PostgreSQL.

LEADERSHIP & SERVICE

Undergraduate Student Director, Students Book Corporation 2024 – present

Industry Mentor Coordinator and Committee, Society of Women Engineers 2023 – 2025

Mentorship Program (TMP, Voiland Peer) 2023 – 2025