

# MINJU KIM

M.A. Student, Library and Information Science, University of Washington

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## EDUCATION

University of Washington, Seattle, WA, USA  
Master of Library and Information Science

Expected June 2026

Daejin University, Gyeonggi, Republic of Korea  
B.A. in Library and Information Science; Minor in International Studies  
August 2022  
*Undergrad Thesis: A Study on the Functions and Roles of the National Library of China*

## RESEARCH INTERESTS

Learning Analytics and Human-AI Interaction · Data Visualization and Recommender Systems ·  
Responsible AI for Educational Technology

## RESEARCH EXPERIENCES

2025.07 – 2025.09

**Research Assistant, How Teens Co-designed Mental Health Support in Public Libraries**

Seattle, WA, USA

- Contributed to the third year of a three-year research project on teen information behavior led by Professor Jin Ha Lee, working directly with Professor Kung Jin Lee on data collection and analysis.
- Coded and categorized 112+ field notes, aligning qualitative evidence with methodological frameworks to strengthen analytic validity.
- Synthesized coded data with survey and attendance metrics to identify behavioral trends in teen information engagement.

2021.07 – 2021.11

**Research Assistant, Public Library Reading Class Support Project, Seoul, Republic of Korea**

- Conducted a nationwide survey and quantitative analysis on children's reading programs under the supervision of Professor In-ho Chang.
- Delivered findings that informed a national development plan piloted by the National Library for Children and Young Adults under faculty supervision.
- Collaborated with public librarians and Ministry of Education officials to review survey results and develop recommendations for improving library-based reading programs.

## TEACHING EXPERIENCE

2026.01 – 2026.03 (2026 Winter)

**Reader/Grader, LIS 543: Relational Database Management Systems, Seattle, WA, USA**

- Selected by Professor Simon Wang to serve as Reader/Grader for LIS 543 (upcoming Winter 2026), a graduate-level course on relational database design, SQL, and data management.
- Responsible for evaluating assignments and exams, maintaining grading records, and facilitating course communications.
- Will assist in course communications and feedback review to ensure fair and accurate assessment.

## **ACADEMIC PROJECTS**

2025.03 – 2025.06

### **Ad Click Prediction Using Cloud-Based Machine Learning**

- Developed a real-time ad-click prediction system using Microsoft Azure ML Studio and Power BI visualization for performance optimization in the media industry.
- Designed a PaaS-based cloud strategy integrating FinOps cost monitoring, A/B testing, and real-time performance dashboards.
- Analyzed operational metrics and compliance factors (GDPR, CCPA) to improve scalability and reliability of the deployed model.
- Delivered a technical report detailing cloud migration phases, infrastructure selection, and financial impact assessment.

2025.01 – 2025.03

### **Netflix's Recommendation System Analysis**

- Analyzed Netflix's content recommendation framework through metadata structure, authority control, and user identifier mapping.
- Evaluated how content-based, collaborative, and hybrid filtering models improve personalization accuracy and viewing relevance.
- Summarized algorithmic efficiency findings and presented visual mappings of metadata and user-behavior relationships.

2025.01 – 2025.03

### **Online Shopping Retail Database Development**

- Designed and implemented a normalized (3NF) SQL database to manage retail sales, inventory, supplier, and warehouse data.
- Defined entity relationships with primary/foreign keys, computed columns, and constraints to maintain data integrity.
- Visualized key performance indicators in Tableau, including quarterly sales, return trends, and warehouse distribution, to identify seasonal purchasing patterns and optimize stock allocation.
- Applied AES\_128 encryption and data masking for privacy compliance, improving query reliability and database transparency.

2024.09 – 2024.12

### **Children's Library Services During the COVID-19 Pandemic**

- Led a mixed-method study across 15 libraries using Microsoft Forms for survey collection and Excel for quantitative analysis to evaluate children's service adaptation.
- Annotated and synthesized 10+ peer-reviewed studies focusing on digital literacy, access, and reading engagement.
- Developed 3 evidence-based service models that increased virtual participation by 10% and informed local library policy.

## **EMPLOYMENT**

2024.09 – 2026.06

### **Student Assistant, Resource Center, University of Washington, Seattle, WA, USA**

- Directing resource allocation and support for 200+ student organizations.
- Building and maintaining Excel-based dashboards that improve reporting accuracy by 15% and reduce processing time by 20%.

- Leading the Vinyl Banner Project in partnership with Creative Communications to streamline design requests and manage large-format printing services.
- Developing and maintaining a user-friendly reservation webpage and monitoring service adoption to improve accessibility and effectiveness for campus organizations.

2023.08 – 2024.08

**Metadata Librarian, Korea University Creative CJ Library, Seoul, Republic of Korea**

- Improved metadata retrieval efficiency by 20% through structured cataloging and audits.
- Applied digital preservation strategies, extending accessibility of 5,000+ records.

2022.01 – 2023.07

**Medrang Inc., Manuscript Editor, Seoul, Republic of Korea**

- Managed end-to-end publication workflows by overseeing assigned academic medical journals, coordinating with authors, reviewers, and publishers to ensure timely and accurate publication.
- Verified 1,000+ scholarly citations using PubMed/Scopus.
- Standardize manuscripts to AMA, APA, and Vancouver formats, ensuring compliance for journal submission.

2021.04 – 2021.09

**Undergraduate Intern, National Library for Children and Young Adults, Seoul, Republic of Korea**

- Evaluated a VR storytelling program that boosted youth engagement by 15%.
- Coordinated an [international picture book exhibition](#), managing 15+ titles and 1,000+ visitors.

## **EXTRA-CURRICULAR ACTIVITIES**

2025.09 – 2025.12

**Directed Fieldwork, Olympic View & Wedgwood Elementary School, Seattle, WA, USA**

- Design study materials and promote Global Reading Challenge participation for 4<sup>th</sup> - 5<sup>th</sup> graders in partnership with Seattle Public Library.
- Focusing on fostering inclusive program environments and evaluating strategies to strengthen student reading engagement.

2024.09 – 2025.09

**Secretary, Korean Graduate Student Association, Seattle, WA, USA**

- Managed communications, budgeting, and event planning for 100+ graduate members.
- Increased event attendance by 30% using survey-driven outreach and targeted promotion.
- Hosted and facilitated community programs such as the “Coping over Coffee” mental health event, new student welcome sessions, social clubs, and an immigration law Q&A with a guest attorney.

2024.10

**Student Volunteer, University of Washington iSchool, Seattle, WA, USA**

- Facilitated [Spencer Shaw’s storytelling sessions](#), contributing to a 15% increase in multilingual family participation and supporting inclusive community engagement.
- Assisted with program preparation, book display setup, guest check-in, author signing coordination, and session facilitation to ensure smooth event operations and positive participant experience.

2018.03 – 2020.12

**Administrator, Student Council, Seoul, Republic of Korea**

- Conducted school-wide survey (n=2,000+) and produced statistical reports using Excel, applying data analysis to inform student initiatives.
- Launched an official Instagram account, creating weekly card-news updates that boosted student engagement by 40%.

## **SUPPLEMENTARY TRAININGS**

2025.11

### **Pinterest ML Day Conference 2025 (Virtual)**

- Learned how Pinterest applies large-scale machine learning to build inclusive and personalized user experiences for 550+ million monthly users.
- Gained insights into recommender systems, ML model evaluation, and human-centered ML design that align with research interests in learning analytics and Human-AI interaction.

2025.10

### **Changbal Tech Summit 2025, Bellevue, WA, USA**

- Engaged with keynote talks from Moloco, Google DeepMind, Netflix, and UMass Amherst on AI innovation and leadership.
- Connected insights on AI and cross-sector collaboration to research interests in learning analytics and Human-AI interaction.

2025.08

### **Amazon AWS ReachBack Fall 2025, Seattle, WA, USA**

- Attended lectures on AWS architecture and cloud service workflows, gaining insights into cloud business strategies.
- Collaborated in a team activity using Amazon Bedrock to design AI prompts, reinforcing interest in cloud-based AI for educational and social applications.

## **SKILLS**

- Research: Mixed Methods, Experimental Design, Survey Design, Program Evaluation, Data Curation, Metadata Standards (MARC, MeSH)
- Data Analysis & Visualization: Python, R, SQL, Power BI, Tableau, Excel, Lucidchart, MongoDB, ERD (Crow's Foot Notation), Data Normalization (3NF), A/B Testing
- AI & Cloud Platforms: Azure Machine Learning, Generative AI (LLMs, Prompt Engineering), Cloud-based ML Infrastructure, FinOps
- Library & Information Science: Digital Literacy Evaluation, Collection Development
- Languages: English (Fluent), Korean (Native), Mandarin Chinese (Intermediate)