Curriculum Vitae

Jina Kim

Ph.D. Student in Computer Science

E-mail: kim01479@umn.edu
Website: https://jina-kim.github.io/

Education

2021 – *Pres.*   Ph.D., Computer Science, University of Minnesota, USA
Advisor: Professor Yao-Yi Chiang

2020   Visiting Scholar, Language Technologies Institute, Carnegie Mellon University, USA
Project Mentor: Jeffrey Gennari

2019 – 2021   M.S., Interaction Science, Sungkyunkwan University, Republic of Korea
Advisor: Professor Eunil Park
Thesis: A Human-Centered Machine Learning Approach for Mental Health in Social Media

2015 – 2019   B.S., Computer Engineering, Hansung University, Republic of Korea
Advisors: Professor Kitae Hwang and Professor Inhwan Jung

A. Awards, Honors, Scholarships

A1. External Awards and Honors

2023   **First Place, ACM SIGSPATIAL Student Research Competition (Graduate)**, ACM SIGSPATIAL 2023. **Kim, J.**, Chiang, Y.-Y. "*Towards Learning of Spatial Triad from Online Text.*" Hamburg, Germany.

2023   **First Place, ACM SIGSPATIAL Student Research Competition (Undergraduate)**, ACM SIGSPATIAL 2023. Olson, R. M., **Kim, J.**, Chiang, Y.-Y. "*An Automatic Approach to Finding Geographic Name Changes on Historical Maps.*" Hamburg, Germany.

2023   **First Place, Best Poster Award**, SIAM International Conference on Data Mining (SDM) 2023. **Kim, J.** "*Generating Meaningful Representations from Multimodal Spatial Data Describing Human-Environmental Interactions.*" Minneapolis, MN, USA.

2022   **First Place, Student Poster Competition**, 2022 University Consortium for Geographic Information Science Symposium (UCGIS). **Kim, J.** "*Generating Geospatial Linked Data from Text Labels on Maps.*" Syracuse, NY, USA.

2021   **Selected Participant**, The Global Young Scientists Summit (GYSS), Singapore. Online attendance. Nominated by the National Research Foundation of Korea; selected by a review committee from 500+ applicants worldwide.

2021   **Second Place, Best Achievement Award**, Global Core Talent Development Project, Ministry of Science and ICT, Republic of Korea. Online attendance.

2021   **Second Place, Fake-EmoReact Challenge,** SocialNLP Workshop at the 2021 Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL 2021). Online attendance.

2017   **Second Place, 15th Embedded Software Contest,** Electronics and Telecommunications Research Institute (ETRI), Republic of Korea. "*Drone Streaming Solution Using Raspberry Pi 3.*"

A2. Internal Awards and Honors

2024   **Best Overall Map, U-Spatial Mapping Prize**, U-Spatial, University of Minnesota.
Kim, J., Chiang, Y.-Y. "*City Harmony: Exploring Shared Urban Characteristics.*"

2020   **First Place, Best Research Award**, College of Computing, Sungkyunkwan University.

2019   **Undergraduate Distinguished Achievement Award**, Hansung University.

2018   **First Place, Capstone Project**, Department of Computer Engineering, Hansung University. "*An MQTT-Based Real-Time LBS System Design for Vehicles and Pedestrians.*"

A3. Scholarships

2020   **Scholarship, Advanced Artificial Intelligence Program**, Carnegie Mellon University, Institute for Information and Communications Technology Promotion (IITP) under the Ministry of Science and ICT, Republic of Korea.

2019 – 2020   **Graduate Merit Scholarship**, Sungkyunkwan University, Republic of Korea.

Spring 2019   **Simsan Scholarship**, Sungkyunkwan University, Republic of Korea. Nominated by the Department of Interaction Science.

Fall 2017, 2018   **Academic Excellence Scholarship**, Department of Computer Engineering, Hansung University, Republic of Korea.

A4. Travel Grants

2025   **NSF Student Travel Grant**, ACM SIGSPATIAL. Minneapolis, MN, USA.

2024   **AAG Student Travel Grant**, American Association of Geographers Annual Meeting (AAG). Honolulu, HI, USA.

2023   **NSF Student Travel Grant**, ACM SIGSPATIAL. Hamburg, Germany.

2023   **NSF Student Travel Grant**, SIAM International Conference on Data Mining (SDM). Minneapolis, MN, USA.

2022   **NSF Student Travel Grant**, ACM SIGSPATIAL. Seattle, WA, USA.

B. Research
B1. Research Projects

2023 – *Pres*.   Research Assistant, **ROMULUS and REMUS, Two Systems for Building Mega-City.** Intelligence Intelligence Advanced Research Projects Activity (IARPA)

2023 – 2024   Research Assistant (*in Charge of UMN TA2*), **AI for Map Geolocation and Extraction to Find Critical Minerals.** Defense Advanced Research Projects Agency (DARPA)

2021 – 2023   Research Assistant, **Machines Reading Maps**. National Endowment for the Humanities (NEH)

2020 – 2021 Research Assistant (*in Charge*), **Developing a Deep Learning Model for Detecting High-Risk Mental Health Group.** The Individual Research Grants Program, National Research Foundation of Korea

2020 Research Assistant, **Designing an Analysis Model on Abnormal Statements in Thermal Pipelines Monitoring Procedures.** The Commissioned Research, Korea Institute of Civil Engineering and Building Technology (KICT)

2019 Research Assistant (*in Charge*), **Developing a Deep Learning Model for Predicting Service Reuse. The Individual Research Grants Program**, National Research Foundation of Korea

2019 Research Assistant, **Big Data Research for Artificial Intelligence Applications**. Electronics and Telecommunications Research Institute

2019 Research Assistant, **Theorizing and Analyzing User Resistance Behavior: An Application of Big Data Approaches.** Samsung Research Grants Program, Samsung and Sungkyunkwan University

2017 – 2018 Undergraduate Research Intern, **Development of the Appliance with Messaging Technology underlying Hyper-Connected Society.** Seoul Business Agency and Hansung University

B2. Conference & Symposium Proceedings

Kim, J., Jang, L., Chiang, Y. Y., Wang, G., & Pasco, M. C. (2025, November). StreetLens: Enabling Human-Centered AI Agents for Neighborhood Assessment from Street View Imagery. In *Proceedings of the 1st ACM SIGSPATIAL International Workshop on Human-Centered Geospatial Computing*, pp. 15-19, Minneapolis, MN, USA

Kim, J., & Chiang, Y. Y. (2025, November). Region Context from Unifying Points, Lines, and Polygons. In *Proceedings of the 3rd ACM SIGSPATIAL International Workshop on Advances in Urban-AI*, pp. 94-95, Minneapolis, MN, USA

Lin, Y., Lin, F., **Kim, J.**, & Chiang, Y. Y. (2025, November). MoVER: Modeling User Heterogeneity with Enriched Trajectory Representations for Human Mobility Prediction. In *Proceedings of the 33rd ACM International Conference on Advances in Geographic Information Systems*, pp. 1234-1237, Minneapolis, MN, USA

Xie, J., **Kim, J.**, Chiang, Y. Y., Zhao, L., & Shafique, K. (2025, November). BeSTAD: Behavior-Aware Spatio-Temporal Anomaly Detection for Human Mobility Data. In *Proceedings of the 2nd ACM SIGSPATIAL International Workshop on Geospatial Anomaly Detection*, pp. 56-59, Minneapolis, MN, USA

Xie, J., Jiao, Y., **Kim, J.**, Chiang, Y. Y., Zhao, L., & Shafique, K. (2025, November). HiCoTraj: Zero-Shot Demographic Reasoning via Hierarchical Chain-of-Thought Prompting from Trajectory. In *Proceedings of the 1st ACM SIGSPATIAL International Workshop on Generative and Agentic AI for Multi-Modality Space-Time Intelligence*, pp. 49-53, Minneapolis, MN, USA

Hu, H., **Kim, J.**, Zhou, J., Kirsanova, S., Lee, J., Chiang, Y.-Y. (November 2024). Context-aware Trajectory Anomaly Detection. In *Proceedings of the 1st ACM SIGSPATIAL International Workshop on Geospatial Anomaly Detection* (GeoAnomalies '24), pp. 12–15, Atlanta, GA, USA

Olson, R., **Kim, J.**, Chiang, Y.-Y. (November 2024). Automatic Search of Multiword Place Names on Historical Maps. In *Proceedings of the 3rd ACM SIGSPATIAL International Workshop on Searching and Mining Large Collections of Geospatial Data* (GeoSearch '24), pp. 9–12, Atlanta, GA, USA

Kim, J., Chiang, Y.-Y. (November 2023). Towards Learning of Spatial Triad from Online Text. In *Proceedings of the 31st ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems*, Article 1, pp. 1–2, Hamburg, Germany (SRC First Place - Graduate Category)

Olson, R. M., **Kim, J.**, Chiang, Y.-Y. (November 2023). An Automatic Approach to Finding Geographic Name Changes on Historical Maps. In *Proceedings of the 31st ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems*, Article 7, pp. 1–2, Hamburg, Germany (SRC First Place - Undergraduate Category)

Kim, J., Li, Z., Lin, Y., Namgung, M., Jang, L., Chiang, Y.-Y. (November 2023). The mapKurator System: A Complete Pipeline for Extracting and Linking Text from Historical Maps (Demo Paper). In *Proceedings of the 31st ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems*, Article 35, pp. 1–4, Hamburg, Germany

Li, Z., **Kim, J.**, Chiang, Y.-Y., Chen, M. (December 2022). SpaBERT: A Pretrained Language Model from Geographic Data for Geo-Entity Representation. In *Findings of the Association for Computational Linguistics: Empirical Methods in Natural Language Processing (EMNLP)*, pp. 2757-2769, Abu Dhabi, United Arab Emirates.

Kim, J., Bae, K., Park, E., del Pobil, A. P. (November 2019). Who will Subscribe to My Streaming Channel?: The Case of Twitch. In *Companion Publication of the 2019 Conference on Computer Supported Cooperative Work and Social Computing* (CSCW), pp. 247-251, Austin, TX, USA.

B3. Journal Articles

Lee, S., **Kim, J**., Kim, D., Kim, K. J., Park, E. (2023). Computational Approaches to Developing the Implicit Media Bias Dataset: Assessing Political Orientations of Nonpolitical News Articles. *Applied Mathematics and Computation, 458*, 128219 (SCIE, JCR 2022 IF=4.000, Q1 in *Mathematics, Applied*).

Lee, S., **Kim, J.,** Park, E. (2023). Can book covers help predict bestsellers using machine learning approaches?. Telematics and Informatics, 78, 101948 (SSCI, JCR 2021 IF=9.140, Q1 in Information Science & Library Science).

Kim, E., Ji, H., **Kim, J.,** Park, E. (2023). Classifying apartment defect repair tasks in South Korea: A machine learning approach, Journal of Asian Architecture and Building Engineering, ISSN: 1346-7581 (A&HCI).

Kang, J., **Kim, J.,** Yang, M., Park, E., Ko, M., Lee, M., Han, J. (2022). Behind the Scenes of K-pop Fandom: Unveiling K-pop Fandom Collaboration Network. *Quality & Quantity, 56,* 1481–1502 (SSCI).

Ji, H., **Kim, J.,** Hwang, S., Park, E. (2022). Automated crack detection via semantic segmentation approaches using advanced U-Net architectures. *Intelligent Automation & Soft Computing, 34*(1), 593-607 (SCIE, JCR 2021 IF=3.401, Q2 in *Automation & Control Systems*).

Kim, J., Park, E. (2022). Understanding social resistance to determine the future of Internet of Things (IoT) services, Behaviour & Information Technology, 41(3), 547-557, ISSN: 0144-929X (SSCI, JCR 2021 IF=3.320, Q2 in Computer Science, Cybernetics).

Oh, S., Ji, H., **Kim, J.,** Park, E., del Pobil, A. P. (2022). Deep learning model based on expectation-confirmation theory to predict customer satisfaction in hospitality services, Information Technology & Tourism, 24, 109-126, ISSN: 1098-3058 (SSCI, JCR 2021 IF=6.093, Q1 in Hospitality, Leisure, Sport & Tourism).

Ji, H., Oh, S., **Kim, J.,** Choi, S., Park, E. (2022). Integrating Deep Learning and Machine Translation for Understanding Unrefined Languages. *Computers, Materials & Continua*, *70*(1), 669-678 (SCIE, JCR 2020 IF= 3.772, Q2 in *Computer Science, Information Systems*).

Kim, J.*, Jang, Y.*, Bae, K., Oh, S., Jeong, N. J., Park, E., Han, J., del Pobil, A. P. (2021). Between Comments and Repeat Visit: Capturing Repeat Visitors with a Hybrid Approach. *Data Technologies and Applications*, 55(4), 542-557. ISSN: 2514-9288 (SSCI, JCR 2019 IF=0.704).

Lee, S., Ji, H., **Kim, J.,** Park, E. (2021). What books will be your bestseller? A machine learning approach with Amazon Kindle, The Electronic Library, 39(1), 137-151. ISSN: 0264-0473 (SSCI, JCR 2021 IF=1.675).

Kim, J., Lee, D., Park, E. (2021). Authors' Reply to: Bibliometric Studies and the Discipline of Social Media Mental Health Research. Comment on "Machine Learning for Mental Health in Social Media: Bibliometric Study", Journal of Medical Internet Research, 23(6), e29549. ISSN: 1438- 8871 (SCIE, JCR 2021 IF=7.093, Q1 in Medical Informatics).

Kim, J., Lee, D., Park, E. (2021). Machine Learning for Mental Health in Social Media: A Bibliometric Study, Journal of Medical Internet Research, 23(3), e24870. ISSN: 1438-8871 (SCIE, JCR 2021 IF=7.093, Q1 in Medical Informatics).

Kim, J., Ji, H., Oh, S., Hwang, S., Park, E., del Pobil, A. P. (2021). A deep hybrid learning model for customer repurchase behavior. *Journal of Retailing and Consumer Services*, 59, 102381. ISSN: 0969-6989 (SSCI, JCR 2018 IF=3.585, Q2 in Business).

Hwang, S., **Kim, J.**, Park, E., del Pobil, A. P. (2020). Who will be your next customer: A machine learning approach to customer return visits in airline services, Journal of Business Research, 121, 121-126. ISSN: 0148-2963 (SSCI, JCR 2020 IF=7.550, Q1 in Business).

Kim, J., Lee, J., Park, E., Han, J. (2020). A deep learning model for detecting mental illness from user content on social media. *Scientific Reports*, 10, 11846, ISSN: 2045-2322 (SCIE, JCR 2019 IF=3.998, Q1 in Multidisciplinary Sciences).

Kim, J., Shin, S., Bae, K., Oh, S., Park, E., del Pobil, A. P. (2020). Can AI be a content generator? Effects of content generators and information delivery methods on the psychology of content consumers, Telematics and Informatics, 55, 101452. ISSN: 0736-5853 (SSCI, JCR 2020 IF=6.182, Q1 in Information Science & Library Science).

Oh, S., **Kim, J.,** Ji, H., Park, E., Han, J., Ko, M., Lee, M. (2020). Cross-cultural Comparison of Interactive Streaming Services: Evidence from Twitch, Telematics and Informatics, 55, 101434. ISSN: 0736-5853 (SSCI, JCR 2020 IF=6.182, Q1 in Information Science & Library Science).

Park, E., Jang, Y., **Kim, J.,** Jeong N. J., Bae, K., del Pobil, A. P. (2019). Determinants of customer satisfaction with airline services: An analysis of customer feedback big data, Journal of Retailing and Consumer Services, 51, 186-190, ISSN: 0969-6989 (SSCI, JCR 2019 IF=4.219, Q2 in Business).

Kim, J., Park, E. (2019). Beyond coolness: Predicting the technology adoption of interactive wearable devices, Journal of Retailing and Consumer Services, 49, 114-119, ISSN: 0969-6989 (SSCI, JCR 2019 IF=4.219, Q2 in Business).

B4. Book Chapters

Kang, Y., Wang, C., Feng, Y., Touya, G., & **Kim, J.** (2025). Artificial intelligence for cartography and maps. In *GeoAI and human geography: The dawn of a new spatial intelligence era* (pp. 219–237). Springer.

Chiang, Y.-Y., Chen, M., Duan, W., **Kim, J.**, Knoblock, C. A., Leyk, S., Li, Z., Lin, Y., Namgung, M., Shbita, B., Uhl, J. H. (2023). GeoAI for the Digitization of Historical Maps. In Handbook of Geospatial Artificial Intelligence (pp. 217-247). CRC Press.

B5. Presentations, Posters (including presentations with peer-reviewed abstracts/short papers)

Kim, J., Chiang, Y.-Y. (April 2025) City Harmony: Exploring Shared Urban Characteristics. *Map Gallery, 2025 Annual Big Ten GIS Conference (BTAA GIN)*. Online.

Kim, J., Chiang, Y.-Y. (March 2025) Contextualizing Regions: Advancements in Spatial Language Models for Point of Interest Representation. *2025 American Association of Geographers Annual Meeting*, Detroit, MI, USA.

Kim, J., Chiang, Y.-Y. (March 2024) Understanding Spatial Triad with Locality Representation through Online Texts. *GeoAI and Deep Learning Symposium: Emerging Geo-Big Data Applications in Human Mobility Analysis II: Characterization of Place and Patterns of Life, American Association of Geographers Annual Meeting 2024*, Honolulu, HI, USA.

Kim, J., Chiang, Y.-Y. (June 2023) Learning a Joint Embedding Space from Multimodal Spatial Data to Capture Human-Environmental Interactions. *2023 University Consortium for Geographic Information Science Symposium*, New Haven, CT, USA.

Kim, J., Jang, L., Namgung M., Shrotriya, T., Lin, Y., Li, Z., Chiang, Y.-Y. (April 2023) The mapKurator System: Extracting and Linking Text from Large Numbers of Historical Map Scans. David Rumsey Map Center, Stanford, CA, USA.

Lin, Y., **Kim, J.**, Li, Z., Chiang, Y.-Y. (March 2023) SynMap: A Synthetic Dataset for Text Spotting in Scanned Historical Maps. *GeoAI and Deep Learning Symposium: GeoAI for Cartography and Mapping, American Association of Geographers Annual Meeting 2023*, Denver, CO, USA.

Jiao, Y., **Kim, J.**, Namgung, M., Uhl, J. H., Burghardt, K., Chiang, Y.-Y., Leyk, S., Lerman, K. (March 2023) Assessing Spatio-Temporal Street Name Evolution Using Natural Language Processing and Geospatial Analysis. *GeoAI and Deep Learning Symposium: Intelligent Geospatial Analytics, American Association of Geographers Annual Meeting 2023*, Denver, CO, USA.

Kim, J., Jang, L., Li, Z., Lin, Y., Namgung, M., Chiang, Y.-Y. (March 2023) The mapKurator System: Extracting and Linking Text from Large Numbers of Historical Map Scans. *GeoAI and Deep Learning Symposium: GeoAI for Cartography and Mapping, American Association of Geographers Annual Meeting 2023*, Denver, CO, USA.

Kim, J., Chiang, Y.-Y. (March 2023) Map Understanding Model: Generating GeoSpatial Linked Data from Map Images. *GeoAI and Deep Learning Symposium: Spatially Explicit Machine Learning and Artificial Intelligence II, American Association of Geographers Annual Meeting 2023*, Denver, CO, USA

Kim, J., Namgung, M., Chiang, Y.-Y., Uhl, J.H., Burghardt, K., Leyk, S., Lerman, K. (September 2022) Identifying Street Name Evolution in Semantic, Temporal, and Geographic Spaces. *Spatial Humanities*, Ghent, Belgium

Chiang, Y.-Y., Holmes-Wong, D., **Kim, J.**, Li, Z., McDonough, K., Simon, R., Vitale, V. (September 2022) Machines Reading Maps: unlocking historical maps with machine learning and Semantic Web technologies. *Spatial Humanities*, Ghent, Belgium

Kim, J., Chiang, Y.-Y. (June 2022) Generating Geospatial Linked Data from Text Labels on Maps, University Consortium for Geographic Information Science Symposium, Syracuse, NY, USA

B6. Invited Talk and Seminars

2025   **Kim, J.,** Spatial Multimodal Learning Approaches to Understand Human–Environmental Interactions, Oak Ridge National Laboratory (ORNL), TN, USA

2024 **Kim, J.**, Towards Learning Meaningful Representations from Multimodal Spatial Data, Department of Applied Artificial Intelligence, Sungkyunkwan University, Seoul, Republic of Korea

2024 **Kim, J.**, Navigating the Path to Graduate Studies & Towards Learning Meaningful Representations from Multimodal Spatial Data, College of IT Engineering, Hansung University, Seoul, Republic of Korea

2024 **Kim, J.**, Towards Learning Meaningful Representations from Multimodal Spatial Data, Department of Computer Science and Engineering, Pusan National University, Busan, Republic of Korea

2024 **Kim, J.**, Towards Learning Meaningful Representations from Multimodal Spatial Data, Graduate School of Management of Technology, Pukyong National University, Busan, Republic of Korea

2023 **Kim, J.**, Broadening Perspectives on AI Applications, Department of Applied Artificial Intelligence, Sungkyunkwan University, Seoul, Republic of Korea

2022 **Kim, J.**, Chiang, Y.-Y. The mapKurator pipeline for automatically georeferencing historical maps. The Library of Congress, Washington, DC, USA

C. Work Experience

Jun. – Aug. 2024	Applied Scientist Intern, Amazon, Seattle, WA, USA
	Mentors: Burak Uzkent & Keval Doshi | Team Lead: Archit Singhal
Mar. – Jun. 2021	AI Scientist Intern, RAONDATA, Seoul, Republic of Korea
Jun. – Aug. 2018	Undergraduate Summer Research Intern, Electronics and Telecommunications Research Institute (ETRI), Daejeon, Republic of Korea
	Mentor: Donghun Lee

D. Teaching

D1. Co-Instructor

University of Minnesota

Spring 2025   CSCI 5523 – Introduction to Data Mining

D2. Teaching Assistant

University of Minnesota

Fall 2024   CSCI 5523 – Introduction to Data Mining

Fall 2022   CSCI 1133 – Introduction to Computing and Programming Concepts

Sungkyunkwan University

Fall 2020   AAI 3020 – Capstone Design Project for Artificial Intelligence

Fall 2019   AAI 2007 – Introduction to Algorithms (in English)

D3. Directed Students

2025   Sarah Wood, Computer Science & Global Studies, University of Minnesota.
- Project: *From Tourism to Displacement: A Network Analysis of Barcelona*
- Awards: Undergraduate Research Opportunities Program (UROP)

2023 – 2024 Rhett Olson, Computer Science, University of Minnesota.
- Project: *An Automatic Approach to Finding Geographic Name Changes on Historical Maps*
- Awards: First Place, Undergraduate Category, ACM SIGSPATIAL Student Research Competition 2023; Computing Research Association (CRA) Outstanding Undergraduate Researcher Award; Undergraduate Research Opportunities Program (UROP)

2022 Jack Milless, Computer Science and Engineering, University of Minnesota.
- Project: *Linking Text Components in Scanned Historical Map*

E. Professional Service

E1. Organizer and Co-Organizer Roles

2025 Program Committee Member, ACM International Conference on Advances in Geographic Information Systems International Workshop on Geospatial Anomaly Detection (SIGSPATIAL GeoAnomalies Workshop)

2025 Program Committee Member, ACM International Conference on Advances in Geographic Information Systems International Workshop on AI for Geographic Knowledge Discovery (SIGSPATIAL GeoAI Workshop)

2025 DEI Co-Chair, 2025 ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems, Minneapolis, MN, USA

2025 Co-Organizer, 1st ACM SIGSPATIAL International Workshop on Human-Centered Geospatial Computing (GeoHCC'25), 2025 ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems, Minneapolis, MN, USA

2025 Co-Organizer, Workshop on Capturing Human Perception of Neighborhoods using Online Data with Language and Vision Models, University Consortium for Geographic Information Science Symposium, Laramie, WY, USA

2025 Arrangement Committee, American Association of Geographers Annual Meeting, Detroit, MI, USA

2024 DEI Co-Chair, 2024 ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems, Atlanta, GA, USA

2023 Co-Organizer, Workshop on Leveraging Language Models for Learning Geo-Entity Representation. University Consortium for Geographic Information Science Symposium, New Haven, CT, US

2022 Co-Organizer, Workshop on Machines Reading Maps, the Library of Congress, Washington, DC, USA

2022 Co-Organizer, Workshop on Reading and Linking Place: Text on Historical Maps, University Consortium for Geographic Information Science Symposium (UCGIS), Syracuse, NY, USA

2022 Program Co-Organizer, AAG Symposium on GeoAI and Deep Learning for Geospatial Research: GeoAI for Cartography and Mapping, American Association of Geographers Annual Meeting, Denver, CO, USA

2023	Chair, Doctoral Forum Career Panel, SIAM International Conference on Data Mining, Minneapolis, MN, USA
2023	Co-Proceedings Chair, SIAM International Conference on Data Mining, Minneapolis, MN, USA
2022	Program Committee, Demo Track, ACM International Conference on Information and Knowledge Management**,** Atlanta, GA, USA

E2. Leadership Roles

2025 – *Pres.*	Board Member and Webmaster, Korean-American Scientists and Engineers Association Young Generation (KSEA YG) Group, University of Minnesota.
2024 – *Pres.*	Co-Chair, ACM SIGSPATIAL Diversity, Equity, and Inclusion (DEI) Committee
2022 – *Pres.*	Co-Founder and Webmaster, Spatial Women https://spatialwomen.github.io/
2022 – *2025*	Board Member and Webmaster, Minnesota Association for Korean Americans (MAKA)

E3. Academic Reviews

Conferences

2025	1st ACM SIGSPATIAL International Workshop on Human-Centered Geospatial Computing (GeoHCC'25), 2025 ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems, Minneapolis, MN, USA
2025	ACM International Conference on Advances in Geographic Information Systems International Workshop on Geospatial Anomaly Detection (SIGSPATIAL GeoAnomalies Workshop)
2025	ACM International Conference on Advances in Geographic Information Systems International Workshop on AI for Geographic Knowledge Discovery (SIGSPATIAL GeoAI Workshop)
2025	IEEE International Conference on Tools with Artificial Intelligence (ICTAI)
2021 – 2024	ACM International Conference on Advances in Geographic Information Systems (SIGSPATIAL)
2022	International Workshop on Health Intelligence (W3PHIAI) @ AAAI
2022	International Conference of AI in Medicine (AIME)
2022	Conference on Information and Knowledge Management (CIKM)

Journals

International Journal of Geographical Information Science

Scientific Reports

Behaviour & Information Technology

International Journal of Human-Computer Interaction

IEEE Transactions on Cognitive and Developmental Systems