

Inyoung Shin, PhD

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Academic Appointment

AI Research Librarian

Jan. 2026 - present

Library, University of California, Riverside

Riverside, CA

- Design and deliver tutorials on AI tools and data analysis techniques for faculty and graduate students.
- Explore and evaluate AI-driven research methodologies, prioritizing AI literacy and responsible use.
- Lead cross-disciplinary initiatives to develop and implement institution-wide AI infrastructure and best practices.

Lecturer/Sponsored Researcher

July 2021 - Jan. 2026

Department of Computer Science, Yale University

New Haven, CT/Remote

- Taught *Ethical Conduct of Research* (~80 students/year), consistently earning high evaluation scores.
- Conducted research on human-robot interaction, in a collaboration with Yale Interactive Machines Group (supervised by Dr. Marynel Vazquez)
- Organized faculty-student research events, fostering mentor-mentee connections.

Assistant Faculty Associate

Aug. 2019 - May 2021

Department of Communication, University of Wisconsin-Milwaukee

Milwaukee, WI

- Instructed undergraduate courses including *Communication & Technology* (~100 students/semester).
- Led a research team investigating workplace technology use and advised students on research methods and statistical analysis.
- Served on a graduate student dissertation committee and the departmental awards committee.

Research/Teaching Assistant

New Brunswick, NJ

Rutgers University, School of Communication and Information

Sept. 2016 – May 2019

- Led seminar-based instruction and supported large introductory classes as a teaching assistant.
- Analyzed national survey data for Pew Research Center-supported projects, authoring circulated public reports and co-authoring academic publications with 300+ citations.

Education

PhD in Communication

Oct. 2019

Rutgers University

New Brunswick, NJ, USA

- Dissertation: The Cost of Awareness: A Network Perspective on Negative Impacts of Communication Technology on Psychological Well-being
- Committee: Dr. Keith Hampton (Chair), Dr. Katherine Ognyanova, Dr. Mary Chayko, Dr. Larry Gross

MS in Computer Science

May 2024

Yale University

New Haven, CT, USA

- Selected Coursework; Deep Learning Theory and Application; Deep Learning on Graph Structured Data; Database Systems; Full Stack Web Programming

MA in Communication

Feb. 2012

Yonsei University

Seoul, South Korea

BA in Mass Communication

Aug. 2010

Yonsei University

Seoul, South Korea

- Minor in Economics

Publications

PEER-REVIEWED

- [22] **Shin, I.**, Claire,H., Blaustein, M., Trafton, G., & Vázquez, M. (accepted) Effects of time-varying perceived agency on fairness judgments towards robots. *Proceedings of the IEEE International Conference on Robot and Human Interactive Communication (RO-MAN 2026)*.
- [21] Coker, M. C., **Shin, I.**, Riforgiate, S. E., & Godager, E. A. (2026). Burnout among crisis versus routine remote workers: Technology use, job Demands and resources, and affordances. *Communication Reports*, 1–14. <https://doi.org/10.1080/08934215.2026.2648508>
- [20] **Shin, I.**, Choung, H., & Choi, M. (2026) Bridging or broadening gaps? AI-assisted professional writing among native and non-native English Writers. *Computers in Human Behavior* 177, 108897, <https://doi.org/10.1016/j.chb.2025.108897>
- [19] Claire,H., Candon, K., **Shin, I.**, Clark, O., & Vázquez, M. (2026). The dynamic fairness perceptions in human-robot interaction. *Proceedings of the ACM/IEEE International Conference on Human-Robot Interaction (HRI)*, 98-107. <https://doi.org/10.1145/3757279.3785642>
- [18] **Shin, I.**, Riforgiate, S. E., Godage, E., & Coker, M. C. (2025). Remote worker communication technology use related to role clarity, emotional support, and work overload. *Sustainability* 17(7), 2830. <https://doi.org/10.3390/su17072830>
- [17]*Claire, H., ***Shin, I.**, Trafton, G., & Vázquez, M. (2025). Did the robot really intend to harm me? The effect of perceived agency and intention on fairness judgments. *Proceedings of the ACM/IEEE International Conference on Human-Robot Interaction (HRI)*. <https://10.1109/HRI61500.2025.10973900>
*Equal Contribution
- [16] Coker, M. C., Riforgiate, S. E., Godage, E., & **Shin, I.** (2024). Resetting time and priorities: Communicative sensemaking and implications of homeworking. In P. Kruijen, S. André, & B. van der Heijden (Eds.), *Maintaining a sustainable work-life balance: An interdisciplinary path to a better future* (pp. 220-228). Edward Elgar. <https://doi.org/10.4337/9781803922348.00041>
- [15] **Shin, I.** (2024). Why am I getting uncomfortable with others' life experiences? Neglected side effects of sharing through social media. In V. Benson, J. McAlaney, J. Taylor, & R. G. Segumpan (Eds.), *Handbook of social media use: Online relationships, security, privacy, and society* (pp. 263-284). Elsevier. <https://doi.org/10.1016/B978-0-443-28804-3.00005-3>
- [14] **Shin, I.**, Riforgiate, S. E., Coker, M. C., & Godager, E. (2023). Communication technology and social support to navigate work/life conflict during COVID-19 and beyond. *Management Communication Quarterly*, 37(3). <https://doi.org/10.1177/08933189221144996>
- [13] **Shin, I.**, & Youn, H. (2023). COVID-19 risk perceptions among college students: Social media, national news media, and indirect experience. *Cyberpsychology, Behavior, and Social Networking*, 26(5), 380-385. <https://doi.org/10.1089/cyber.2022.0274>
- [12] Hampton, K. N., & **Shin, I.** (2023). Disconnection is more problematic for adolescent self-esteem than heavy social media use: Evidence from access inequalities and restrictive media parenting in rural America. *Social Science Computer Review*, 41(2), 626-647. <https://doi.org/10.1177/0894439322117466>
- [11] **Shin, I.**, & Hampton, K. N. (2023). New media use and the belief in a just world: Awareness of life events and the perception of fairness for self and injustice for others. *Information, Communication & Society*, 26(2), 388-404. <https://doi.org/10.1080/1369118X.2021.1950804>
- [10] **Shin, I.**, Wang, L., & Lu, Y.-T. (2022). Twitter and endorsed (fake) news: The influence of endorsement by strong ties, celebrities, and a user majority on credibility of fake news during the COVID-19 pandemic. *International Journal of Communication*, 16, 2573-2596. <https://ijoc.org/index.php/ijoc/article/view/18187>
- [9] Reisdorf, B. C., Fernandez, L., Hampton, K. N., **Shin, I.**, & Dutton, W. H. (2022). Mobile phones will not eliminate digital and social divides: How variation in Internet activities mediates the relationship

between type of internet access and local social capital in Detroit. *Social Science Computer Review*, 40(2), 288-308. <https://doi.org/10.1177/0894439320909446>

- [8] Hampton, K. N., Robertson, C. T., Fernandez, L., **Shin, I.**, & Bauer, J. M. (2021). How variation in internet access, digital skills, and media use are related to rural student outcomes: GPA, SAT, and educational aspirations. *Telematics and Informatics*, 63, 101666. <https://doi.org/10.1016/j.tele.2021.101666>
- [7] **Shin, I.**, & Lim, J. P. (2017). Data security. In M. Allen (Ed.), *Encyclopedia of communication research methods* (pp. 338-345). SAGE Publications.
- [6] Hampton, K. N., **Shin, I.**, & Lu, W. (2017). Social media and political discussion: When online presence silences offline conversation. *Information, Communication & Society*, 20(7), 1090-1107. <https://doi.org/10.1080/1369118X.2016.1218526>
- [5] Hampton, K. N., Lu, W., & **Shin, I.** (2016). Digital media and stress: The cost of caring 2.0. *Information, Communication & Society*, 19(9), 1267-1286. <https://doi.org/10.1080/1369118X.2016.1186714>
- [4] Kim, Y-C., & **Shin, I.** (2013). Effects of smartphone use on perceived environmental controllability: Was there any change between 2010 and 2011? *Journal of Cybercommunication*, 30(1), 5-45.
- [3] *Kim, Y-C., & **Shin, I.** (2013). Effects of 'smartphone dependency' on traditional media use and talking with others: Applying media-system dependency theory. *Journal of Broadcasting and Telecommunication*, 2, 115-156.
*Article of the Year
- [2] Kim, Y-C., Shim, H-J., Kim, Y., **Shin, I.**, & Shon, H. (2012). Factors in sharing behaviors in social network services. *Korean Journal of Journalism and Communication Studies*, 56(3), 28-50.
- [1] **Shin, I.** (2012). Effects of scandal coverage on voting choice during presidential election: Based on priming effects of the BBK scandal in 17th Korean presidential election. *Journal of Communication Science*, 12(1), 68-97.

PUBLIC REPORTS

- [2] Hampton, K. N., Rainie, L., Lu, W., **Shin, I.**, & Purcell, K. (2015). Social media and the cost of caring. Pew Research Center, Washington, DC.
- [1] Hampton, K. N., Rainie, L., Lu, W., Dwyer, M., **Shin, I.**, & Purcell, K. (2014). Social media and the spiral of silence. Pew Research Center, Washington, DC.

UNDER REVIEW

- Choi, M., Choung, H., **Shin, I.**, & Taylor, S. H. (R&R). A double-edged ChatGPT: From need fulfillment to dependency. Submitted to *Journal of Media Psychology*.
- Stern, M., **Shin, I.** & Hampton, K.N. (R&R). The gendered role of social media use and video games on adolescents differing STEM career aspirations. In preparation for submission to *New Media & Society*.

IN PROGRESS

- Coker, M. C., **Shin, I.**, Riforgiate, S. E., & Godage, E. Exploring AI Use at Work: Insights into AI-Mediated Communication for Work and Collaboration. In preparation for submission to *Management Communication Quarterly*.
- Shin, I.**, Coker, M. C., Riforgiate, S. E., & Godage, E. Using Large Language Models to Analyze Qualitative Survey Responses: A Validity Comparison with Human Coders. In preparation for submission to *Communication Methods and Measures*.

Conference Presentations

- [23] Coker, M. C., **Shin, I.**, Riforgiate, S. E., & Godager, E. A. (2026). Burnout Among Crisis versus Routine Remote Workers: Technology Use, Job Demands and Resources, and Affordances. Presented at the Annual Meeting of the Central States Communication Association, Minneapolis, April 14 - 19, Minnesota, MN
*Top Paper in the Organizational and Professional Communication Division
- [22] **Shin, I.**, Riforgiate, S. E., Coker, M. C., & Godage, E. (2023). Remote worker communication technology use related to role clarity, emotional support, and work overload. Presented at the Annual Meeting of the National Communication Association, November 16-19, National Harbor, MD.
- [21] *Hampton, K. N., & **Shin, I.** (2022). Excessive social media use is less harmful than disconnection for the self-esteem of rural adolescents. Presented at the 12th International Conference on Social Media & Society, July 19-24, Virtual Conference.
*Best Paper Award
- [20] Hampton, K. N., & **Shin, I.** (2022). Disconnection is more problematic for adolescent self-esteem than heavy social media use: Digital inequality, restrictive parenting, and the relationship to time rural youth spend with friends and family. Presented at the Annual Meeting of the International Communication Association, May 21-26, Paris, France.
- [19] Riforgiate, S. E., Gattoni, A., Simpson, D., & **Shin, I.** (2021). Educator sense-making in a pandemic/post-pandemic world. Presented at the Annual Meeting of the National Communication Association, November 11-16, Seattle, WA.
- [18] Kang, K. K., Lane, J., & **Shin, I.** (2021). Entrepreneurship as organizing visibility: Opportunities and challenges of socially mediated visibility for women entrepreneurs. Presented at the Annual Meeting of the National Communication Association, November 11-16, Seattle, WA.
- [17] Wang, L., **Shin, I.**, & Lu, Y-T. (2021). Twitter and endorsed misinformation: Retweeting, bandwagon cues, and conspiracy theory during the COVID-19 pandemic. Presented at the Annual Meeting of the Association for Education in Journalism and Mass Communication, August 13-18, Virtual Conference.
- [16] **Shin, I.**, & Youn, H. (2021). COVID-19 risk perceptions among college students: Social media for self and mass media for others. Presented at the Annual Meeting of Association for Education in Journalism and Mass Communication, August 13-18, Virtual Conference.
- [15] Hampton, K. N., Robertson, C. T., Fernandez, L., **Shin, I.**, & Bauer, J. M. (2021). Digital media and human capital in rural America: Broadband access, digital skills, and excessive media use for GPA, SAT, and educational aspirations. Presented at the Annual Meeting of the International Communication Association, May 20-25, Virtual Conference.
- [14] ***Shin, I.**, Riforgiate, S. E., Coker, M. C., & Godager, E. (2020). Communication technology and supportive communication to navigate work-life conflict during the COVID-19 pandemic and beyond. Presented at the Annual Meeting of the Central States Communication Association, March 4-9, Virtual Conference.
*Top Paper in the Organizational and Professional Communication Division
- [13] *Riforgiate, S. E., **Shin, I.**, Godager, E., & Coker, M. C. (2020). Resetting time: Remote workers' work-life communication about time during COVID-19. Presented at the Annual Meeting of the Central States Communication Association, March 4-9, Virtual Conference.
*Top Paper Panel in the Organizational and Professional Communication Division
- [12] **Shin, I.** (2020). Do new communication technologies cultivate individual perceptions of injustice? A network perspective on the cultivation effects of communication technologies. Presented at the Annual Meeting of the National Communication Association, November 11-16, Virtual Conference.
- [11] **Shin, I.** (2019). Neglected side effects of network awareness: How communication technology affords the source of psychological discomfort. Presented at the Annual Meeting of the National Communication Association, November 13-17, Baltimore, MD.
- [10] Reisdorf, B. C., Fernandez, L., Hampton, K. N., **Shin, I.**, & Dutton, W. H. (2019). Mobile phones will not eliminate digital and social divides: How variation in Internet activities mediates the relationship

between type of Internet access and local social capital in Detroit. Presented at the Annual Meeting of the American Sociological Association, August 10-13, New York, NY.

- [9] Reisdorf, B. C., Fernandez, L., Hampton, K. N., **Shin, I.**, & Dutton, W. H. (2019). Inequalities in breadth of Internet access and use predict local social capital: Digital divides in Detroit. Presented at the Annual Meeting of the International Communication Association, May 21-15, Washington DC.
- [8] ***Shin, I.** (2017). Social media and cultivation: Assessing awareness of network life events and its relationship to belief in a just world. Presented at the Annual Meeting of the National Communication Association, November 15-20, Dallas, TX.
*Top Four Student Paper in Human Communication and Technology Division
- [7] **Shin, I.** (2017). Cost of caring and communication technology: Assessing awareness of network life events and its mediating and moderating impacts on stress. Presented at the Annual Meeting of the International Communication Association, May 22-27, San Diego, CA.
- [6] Hampton, K. N., **Shin, I.**, & Lu, W. (2015). Social media and offline conversation: Putting political discussion in context. Presented at the Annual Meeting of the American Sociological Association, August 3-8, Seattle, WA.
- [5] Hampton, K. N., **Shin, I.**, & Lu, W. (2015). Social media and political discussion: When online presence silences offline conversation. Presented at the Annual Meeting of the International Communication Association, June 1-5, Fukuoka, Japan.
- [4] **Shin, I.**, & Choi, D. (2015). Collective action in the online peer production system: An examination of structures and dynamics of Yelp networks. Presented at the Annual Meeting of the National Communication Association, November 17-21, Las Vegas, NV.
- [3] Park, M., & **Shin, I.** (2015). Emotion matters in first impression formation: Effects of positive emotion in nonverbal communication. Presented at the Annual Meeting of the National Communication Association, November 17-21, Las Vegas, NV.
- [2] **Shin, I.** (2012). An exploratory study on collective efficacy in Facebook. Presented at the master thesis competition of the Korean Scholars of Marketing Science Fall International Conference, December 2-5, Seoul, South Korea.
- [1] **Shin, I.** (2011). Your relation starts with your smile: The effect of emotion through nonverbal behaviors on forming first impressions. Presented at the Honors Symposium for Asian PhD Students in Communication Research, November 10-13, Singapore.

Teaching Experience

UNIVERSITY OF CALIFORNIA, RIVERSIDE (2026-PRESENT)

[non-credit workshop] AI 101 for Research: From Chatbots to Agents

- Delivered LLM architecture, prompt engineering for research workflows, and the ethical implications of autonomous agents for research.

[non-credit] Introduction to AI API: How to customize AI models

- Introduced the use of Gemini API keys in alignment with UCR data security guidelines, highlighting key research use cases.

[non-credit] Introduction to Deep Learning with PyTorch

- Explored Deep Learning and Neural Networks Training, the core foundations of the current AI revolution with an hands-on example

YALE UNIVERSITY (2021-2025)

[CPSC 990/991] Ethical Conduct of Research

- Facilitated seminars for students to discuss ethical issues in computer science and research integrity.

UNIVERSITY OF WISCONSIN-MILWAUKEE (2019-2021)

[COMMUN 313] Human Communication and Technology

- Surveyed computer-mediated communication theories and taught digital literacy to evaluate current and emerging technologies.

[COMMUN 370] Quantitative Research in Communication

- Taught quantitative communication research methods, applications, and guiding hand-on research activities.

[COMMUN 410] Organizational Communication and Technology

- Taught communication theories on technology use in workplace contexts, using case studies to promote effective workplace technology use.

RUTGERS UNIVERSITY (2016-2019)

[COMM 432] Communication, Technology, and Society

- Introduced research on the political, economic, and societal implications of traditional and new media.

[DCIM 351] Leadership in Digital Contexts

- Presented frameworks for understanding the role of technology in leadership functions in group settings, using a variety of exercises and scenarios

[COMM 101] Introduction to Communication and Information

Processes

- Introduced prominent communication theories related to interpersonal, group, organizational, mediated, and mass communication.

Research Experiences

Generative AI Use at Work and Methodological Implications of AI

Jan. 2025 - Present

- Co-Principal Investigator with Dr. Sarah Riforgiate, administering an open-ended survey on workplace AI use to develop a new psychometric scale to measure AI use at work.
- Led comparative evaluations of LLM-assisted and human coding approaches and applied LLMs to qualitative data analysis and interpretation.

Robots that Reason Fairness (Funded by The Air Force Office of Scientific Research)

Apr. 2024 - Present

- Collaborated with the Interactive Machines Group under Dr. Marynel Vázquez, conducting experiments on Human-Robot
- Developed user experience evaluation measures and applied mediation and mixed-effects analyses.

Generative AI, Trust, and Productivity Differences Across Social Groups

Jun. 2024 - Present

- Principal Investigator, examining the social and psychological mechanisms underlying AI-related disparities across social groups.
- Applied NLP techniques to analyze behavioral data on the adoption of AI-generated content; Conducted longitudinal and time-series analyses to examine causal relationships in AI adoption and psychosocial reliance on AI

Technology and Work in the Post-Pandemic Era

Dec. 2024 - Mar. 2026

- Co-Principal Investigator with Dr. M. Cody Coker, to conduct comparative analysis
- Designed and launched a Qualtrics survey with custom JavaScript logic and advanced filtering techniques via Prolific for targeted sampling.

Digital Media and Student Performance Gaps (Funded by Merit Network, Inc)

Jan. 2020 - Dec. 2025

- Collaborated with the Quello Center at Michigan State University to examine the third-level digital divide across 21 rural communities in Michigan.
- conducted advanced statistical techniques including mediation analysis, multi-group analysis, and multiple imputation for missing data using Mplus.

Work and Life Communication During the Pandemic

Mar. 2020 - Dec. 2022

- Co-Principal Investigator with Dr. Sarah Riforgiate; designed and administered surveys to 600 U.S. remote workers.
- Facilitated collaboration between graduate students and senior faculty; mentored students unfamiliar with quantitative methods and guided them through survey design and statistical analysis.

Credibility of Misinformation on Twitter (Funded by the SICSS-Rutgers)

Aug. 2020 - Aug. 2021

- Principal Investigator; secured research funding from the Summer Institute in Computational Social Science at Rutgers.
- Led a research team of graduate students; provided guidance on data collection, statistical modeling, and analysis strategy.

Media Use and Risk Perceptions of COVID-19 Among College Students in the U.S.

June 2020 - Dec. 2021

- Principal Investigator; led research design and data collection across 400 U.S. college students.
- Applied mediation analysis using SPSS PROCESS to explore behavioral predictors from survey data.

Awareness of Life Events

Sept. 2016 - Oct. 2019

- Dissertation project developed from the ground up; served as Principal Investigator and led all stages of research design, data collection, and analysis.
- Conducted a mixed-methods study with an online survey of 600 social media users and in-depth interviews with 30 participants

Pervasive Nature of Social Media and Its Possible Outcomes

Dec. 2013 - May 2014

- Collaborated with Pew Research Center on a national study examining social media use, political discussion, and psychological well-being.
- Analyzed national survey data using logistic regression in SPSS and structural equation modeling in Mplus; introduced Mplus to senior faculty collaborators.

PRODUCTION AND PROGRAMMING PROJECTS

Development of Class Office Hours Website

Sept. 2023 - Dec. 2023

- Built a class office hours app with React (frontend), Flask (backend), and PostgreSQL (database).
- Implemented student roster import, live check-in queue, and user account management.

Training Convolutional Neural Networks (CNN) on Satellite Imagery to Predict U.S. Population Health Status

Jan. 2023 - May 2023

- Preprocessed satellite imagery and U.S. census data to predict regional health insurance coverage.
- Trained CNNs using PyTorch on Yale's high-performance computing cluster.

Spatial Quiz Interaction with Kinect Sensor

Jan. 2023 - May 2023

- Proposed and led development of a gesture-based quiz platform using JavaScript (D3.js), Kinect, and Flask.
- Integrated spatial interaction algorithms and guided a four-member undergraduate students through implementation.

Invited Talks and Presentations _____

Does Generative AI help reduce gaps rooted in proficiency? A study on AI assisted Professional Writing for Native and Non-Native English Speakers

RAISE@UCR, University of California, Riverside

May 2026

Riverside, CA

Better AI in a Better Context: Bridging Social Impacts and Human-Centered Design

School of Communication, Rochester Institute of Technology

March 2025

Rochester, NY

From Media to Agent: Integrating AI into Human Communities

School of Communication, Oregon State University

Feb. 2025

Corvallis, OR

Data Analysis & Visualization In the Broadband and Student Performance Gap Project

Office of Institutional Research, Yale University

Jan. 2024

New Haven, CT

Digital Media & Civic Engagement: How Our Connections Influence What We Think and How We Act

Department of Communication, Hope College

Nov. 2020

Holland, MI

Communication Technology & Social Networks: How Is the Use of New Communication Technology Changing Community?

Department of Communication, University of Wisconsin-Milwaukee

Mar. 2020

Milwaukee, WI

Cultural Changes & New Media: How Do New Media Influence Ways of Interacting with Others?

Department of Communication, Northwest University

Feb. 2020

Kirkland, WA

Awards, Fellowships & Grants _____

AWARDS

- 2026 **Diamond Anniversary Award (Top Paper Award)**
Organizational and Professional Communication Division
Central States Communication Association
- 2022 **Best Paper Award**
12th International Conference on Social Media & Society
- 2021 **Diamond Anniversary Award (Top Paper Award)**
Organizational and Professional Communication Division
Central States Communication Association
- 2021 **Top Paper Panel Award**
Organizational and Professional Communication Division
Central States Communication Association
- 2017 **Top Four Student Paper**
Human Communication and Technology Division
National Communication Association
- 2013 **Article of the Year**
Journal of Broadcasting and Telecommunication Studies
- 2010 **The Highest Honors Student Award**
Yonsei University, South Korea

FELLOWSHIPS & GRANTS

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| 2020 | SICSS Mechanical Turk Funding
Summer Institute in Computational Social Science-Rutgers | \$1000 |
| 2017 | Dissertation Support Grant
Department of Communication, Rutgers University | \$1000 |
| 2019 | Professional Development Fund
Department of Communication, University of Wisconsin-Milwaukee | \$500 |
| 2019 | Travel Grant
School of Communication and Information, Rutgers University | \$500 |
| 2017 | Conference Travel Award
Graduate School of New Brunswick, Rutgers University | \$250 |
| 2017 | Travel Grant
School of Communication and Information, Rutgers University | \$950 |
| 2017 | Academic Fellowship
School of Communication and Information, Rutgers University | \$25,000 |
| 2015 | Travel Grant
School of Communication and Information, Rutgers University | \$500 |

Outreach & Professional Development _____

RESEARCH MENTORING

- 2025 **Mai Blaustein, Yale University**, Mentored an undergraduate from a non-technical background through a full-cycle experimental research project.
- 2022–2023 **Emily Godager, M. Cody Coker, University of Wisconsin-Milwaukee**, Mentored a graduate student on an experimental research project, including advanced statistical analysis and serving on dissertation committees.

PROFESSIONAL DEVELOPMENT IN TEACHING AND RESEARCH SUPPORT

- May 2026 **Advanced Generative AI for Coders (full scholarship)**
National Consortium for Data Science
- May 2025 **Introduction to AI/ML on HPC clusters**
Yale Center for Research Computing
- April 2025 **Introduction to High-Performance and Parallel Computing**
Coursera offered by the University of Colorado Boulder
- Sep. 2024 **Fundamentals of Grant Writing I (completed an 8-week online workshop)**
Center for Continuing Education & Hotel, University of Georgia
- Aug. 2023 **Teaching Day at Yale**
Poorvu Center for Teaching and Learning, Yale University
- Jan. 2021 **The 2021 UWM Teaching and Learning Symposium**
Center for Excellence in Teaching and Learning, University of Wisconsin-Milwaukee
- June 2020 **Summer Institute in Computational Social Science-Rutgers**
Summer Institute in Computational Social Science
- Jan. 2020 **The 2020 UWM Teaching and Learning Symposium**
Center for Excellence in Teaching and Learning, University of Wisconsin-Milwaukee
- Oct. 2019 **Inclusive Pedagogy: Classroom Teaching Strategies**
Center for Excellence in Teaching and Learning, University of Wisconsin-Milwaukee
- Sept. 2019 **Successful Small Group Learning**
Center for Excellence in Teaching and Learning, University of Wisconsin-Milwaukee

REVIEWING ACTIVITIES

- 2025-2026 **ACM Transactions on Human-Robot Interaction (THRI)**, Ad Hoc Reviewer
- 2026 **35th IEEE International Conference on Robot and Human Interactive Communication**,
Volunteer Reviewer
- 2025 **Computers in Human Behavior Reports**, Ad Hoc Reviewer
- 2024 **Urban Studies**, Ad Hoc Reviewer
- 2022 **Journal of Computer Mediated Communication**, Ad Hoc Reviewer
- 2022 **Social Science Computer Review**, Ad Hoc Reviewer
- 2021 **Sociological Focus**, Ad Hoc Reviewer

COMMUNITY SERVICE & LEADERSHIP

- 2021 **Student Awards Committee**
University of Wisconsin-Milwaukee
- 2018 **Panelist, International Teaching Assistant Orientation**
Rutgers University
- 2014-2015 **Treasurer & Vice President**
Rutgers Korean Graduate Student Association
- 2007-2008 **Editor-in-Chief, Campus Weekly**
Yonsei University, South Korea

Technical & Analytical Skills _____

AI/Machine Learning

- Ridge and non-linear regression (custom and Scikit-learn)
- Dimensionality reduction (e.g., PCA, autoencoders)
- Convolutional neural networks (CNNs) with PyTorch
- Graph neural networks (GNNs) with PyTorch Geometric
- LLM inference and prompt engineering (e.g., OpenAI API, Hugging Face, Ollama)

Statistical Analysis

- Regression-Based Analysis
- Mediation Analysis, Multigroup Analysis, Structural Equation Modeling
- Hierarchical Linear Modeling, Mixed Effects Modeling
- Missing Data Imputation

Programming Languages

- Proficient in Python, Jupyter Notebook, SQL, and R
- Intermediate in C/C++, JavaScript, HTML

Tools & Platforms

- Linux/Bash, Git/GitHub, LaTeX
- Slurm, Globus (HPC environments)
- STATA, Mplus, SPSS