

Robin Na

Massachusetts Institute of Technology

🌐 robin-na.github.io

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in robinna

Research Interests

Large Language Models, Metascience, Human-AI Decision-Making, Multi-Agent Systems

Education

Massachusetts Institute of Technology

Ph.D. Candidate in Information Technology

Cambridge, MA

2022 – Present

Seoul National University

B.S. in Physics & B.A. in Knowledge Ecology (student-designed major)

Seoul, South Korea

2021

– *summa cum laude* | Valedictorian/Dean's Award | Korea Presidential Science Scholar

Research Experience

Amazon

Applied Scientist Intern, Search Experience Team

Palo Alto, CA

2024

Amazon

Applied Scientist Intern, Science of Science Team

Seattle, WA

2023

Carnegie Mellon University

Predoctoral Researcher, Laboratory for Social Minds

Pittsburgh, PA

2021 – 2022

New England Complex Systems Institute

Undergraduate Researcher

Cambridge, MA

2020 – 2021

ASU-Santa Fe Institute Center for Complex Systems

Undergraduate Researcher

Tempe, AZ

2020

Seoul National University

Undergraduate Researcher, Big Data Studies Lab

Seoul, South Korea

2019

Undergraduate Researcher, Human-Centered Computing Lab

2019

Korea Advanced Institute of Science and Technology

Undergraduate Researcher, Complexity and Network Science Group

Daejeon, South Korea

2019

Awards and Fellowships (Selected)

- SBS Foundation Graduate Scholarship (one of 3 STEM recipients in Korea) 2022 – 2028
- MIT Sloan PhD Fellowship 2022 – 2027
- International Conference on the Science of Science and Innovation Travel Grant 2024
- Santa Fe Institute Summer School Travel Award 2023
- Valedictorian/Dean's Award, Seoul National University College of Liberal Studies 2021
- Korea Presidential Science Scholarship in Physics (full tuition + stipend) 2015 – 2021
- Seoul National University Student-Designed Major Scholarship 2019 – 2021
- First Place, Seoul National University Presidential Award for Undergraduate Research 2021
- Seoul National University Undergraduate Research Grant 2020
- Seoul National University Volunteer Service Award (physics & math tutor) 2020
- First Place, Seoul National University College of Liberal Studies Research Festival 2020
- First Place, Seoul National University College of Liberal Studies Research Festival 2019
- First Place in College, Seoul National University-wide Mathematics Achievement Exam 2015

Publications

- Work in Progress
 1. "Large Language Models for Research Synthesis and Evaluation" **Robin Na**, Duncan J. Watts, Abdullah Almaatouq.
 2. "Self-similarity in Pandemic Spread and Fractal Containment Policies." Alexander F. Siegenfeld, Asier Piñeiro Orioli, **Robin Na**, Blake Elias, Yaneer Bar-Yam. (Under Review)
- Journal Articles (Peer-Reviewed) *Equal Contributions
 1. "Snakes or Ladders? Measuring the Intergenerational Performance of Chosŏn's Munkwa Exam Candidates." **Robin W. Na***, Javier Cha*. *International Journal of Korean History*. 2021.
- Conference Proceedings (Refereed Full Paper)
 1. "The Diversity of Argument-Making in the Wild: from Assumptions and Definition to Causation and Anecdote in Reddit's 'Change My View.'" **Robin W. Na**, Simon DeDeo. *Proceedings of the 44th Annual Conference of the Cognitive Science Society*. 2022.
 2. "Multi-level Co-authorship Network Analysis on Interdisciplinarity: A Case Study on the Complexity Science Community." **Robin W. Na**, Bongwon Suh. *Proceedings of the 10th International Conference on Complex Systems* Springer, Cham. 2020.

Invited Presentations

- MIT Behavioral Research Lab Seminar 2025
- Workshop on Information Technologies and Systems 2024
- INFORMS Annual Meeting 2024
- MIT Conference on Digital Experimentation 2024
- Stanford Polarization and Social Change Lab Seminar 2024
- AI for Science Workshop at the International Conference on Machine Learning 2024
- International Conference on Computational Social Science 2024
- International Conference on the Science of Science and Innovation 2024
- ACM Collective Intelligence Conference 2024
- Annual Conference of the Cognitive Science Society 2022
- Cultural Evolution Society Conference 2021
- International School and Conference on Network Science 2020
- International Conference on Complex Systems 2020
- Graph Technologies in Digital Humanities — Modelling the Scholarly Process 2020

Invited Workshops

- Santa Fe Institute Complexity-GAINs Summer Institute on Intelligence & Representation 2023
- Theoretical Organizational Models (TOM) Summer School at Harvard Business School 2023

Teaching Experience

- **Massachusetts Institute of Technology**
 1. Teaching Assistant, Digital Revolution: From Foundations to Future Trends (15.561) Fall 2024
 2. Teaching Assistant, Action Learning Seminar on Analytics (A-Lab; 15.572) Fall 2023, 2024

Service

- **Reviewer:** International Conference on Computational Social Science
- Chairperson, Student Education Committee at Seoul National University (2016)