

Eunseo Dana Choi

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EDUCATION

Massachusetts Institute of Technology

Dual S.M. with Thesis in Computer Science & Technology Policy (fully-funded)

Cambridge, USA

Northwestern University

Dual B.A. in Statistics & Economics with Kellogg Certificate in Managerial Analytics

Evanston, USA

RELEVANT EXPERIENCE

The Organisation of Economic Co-operation and Development (OECD.AI)

2024 – Present

AI Unit, Directorate for Science, Technology, and Innovation

Paris, France

- Executed the rebranding and update of the OECD.AI Global AI Policy Navigator, synchronising efforts across cross-functional teams and 200+ national contact points. Expanded the platform to cover 1,300+ AI policy initiatives across 80+ countries and international organisations.
- Designed and evaluated a RAG-based LLM to facilitate internal AI policy research, achieving 58% faster search and 64% fewer navigation clicks in testing; supporting its planned integration into the OECD AI Toolkit to guide national implementation of OECD AI principles.
- Delivered briefings to 300+ policymakers and experts at the OECD Working Party on AI and GPAI plenary sessions, and drafted high-level speaking notes and keynote speeches for STI leadership at the French AI Action Summit and APEC 2025.
- Led coordination of expert survey and public consultation on frontier AI thresholds, engaging 200+ stakeholders across academia, industry, government, and civil society. Synthesized findings for presentation at high-level international forums.
- Co-organised policy dialogues on frontier AI thresholds with the UK AI Security Institute at the French AI Action Summit, delivering full event coordination within 4-week timeline.

Algorithmic Alignment Group at MIT CSAIL

2021 – 2023

Advisor: Dylan Hadfield-Menell

Cambridge, USA

- Designed and executed counterfactual experiments using agent-based models and multi-agent reinforcement learning (PyTorch, Ray RLlib) to study imitation as a mechanism for cultural inheritance. Investigated its role in complex skill learning and group stability in multi-agent systems.
- Led workshops on applying AI foundation models to business problems for 50 non-technical consultants from CSAIL member companies across 16 industries, overseeing a team of five.

Olivetti Lab at MIT Department of Material Science and Engineering

2020 – 2022

Advisor: Elsa Olivetti

Cambridge, USA

- Developed and implemented Bayesian hierarchical regression models (PyMC2) and dynamic materials flow models (Python) to predict global material demand, including China, reducing parameter estimate uncertainty by over 50%. This paper was nominated for the 2023 JIE Best Paper Prize. [\[Publication\]](#)
- Presented technical findings to practitioners and leadership at a multinational technology company (NDA), evaluating the effectiveness of material efficiency strategies (e.g., recycling) in reducing industrial emissions. Project led to an extended research contract.

Interaction Lab at KAIST (KIXLAB)

2020

Advisor: Juho Kim

Daejeon, Korea

- Conducted a mixed-methods study on user engagement aggregation in online discussions, involving 10 semi-structured interviews and a between-subjects study with 200+ participants, resulting in a published paper. [\[Publication\]](#)

Lab on Innovation, Networks, and Knowledge at Northwestern University

2018 – 2019

Advisor: Agnes Horvat

Evanston, USA

- Developed and managed online experiments with Qualtrics (N=1250) to analyze the impact of crowd signaling on crowdfunding decisions. [\[Publication\]](#)
- Spearheaded research analyzing the impact of Airbnb's reputation system on user trust and community sustainability, utilizing exploratory data analysis of 150K+ structured booking records in R and conducting controlled experiments with Qualtrics (N=1000). [\[Publication\]](#)

SKILLS, AWARDS, & SERVICE

TOOLS AND FRAMEWORKS: Python. R. SQL. Langchain. Ray. PyTorch. RLlib. Qualtrics survey design. Amazon Mechanical Turk.

LANGUAGES: English, Korean, French

AWARDS: Prize from the National Hangeul Product Competition (\$15,000, South Korea's Ministry of Culture, Sports and Tourism, 2018), Finalist for the Fletcher URG Prize (Northwestern, 2018), Research Grant (\$4500, Northwestern, 2018), GSC Conference Travel Grant (\$1000, MIT, 2023)

SCHOLARSHIPS: The Social and Ethical Responsibilities of Computing (SERC) Scholar, MIT (2020), KSEA Scholarship Recipient, Korean-American Scientists and Engineers Association (2019)

SERVICE: Reviewer (ICML 2023, NeurIPS Ethics 2023), Conference Volunteer (DIS 2021, CHI 2021, and FAccT 2022)