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*

- Redesigned and rebranded the Global AI Initiatives Navigator, coordinating 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 the OECD.AI Policy Toolkit with integrated RAG-based LLM capabilities to support policy development aligned with OECD.AI principles. Improved search efficiency by 58% and reduced navigation clicks by 64% versus legacy tools.
- Delivered strategic briefings to 300+ policymakers and experts at the OECD Working Party on AI and GPAI plenary sessions, and developed high-level speaking notes and keynote speeches for STI leadership at the French AI Safety Summit and APEC 2025.
- Provided strategic counsel to OECD leadership on AI integration across divisions, embedding OECD AI principles and resource considerations into cross-functional initiatives and informing organisational AI strategy.
- Led coordination of expert survey and public consultation on frontier AI thresholds, engaging 200+ stakeholders. Synthesized findings for presentation at high-level international forums.
- Co-organised policy dialogues on frontier AI thresholds with the UK AI Safety 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)