

Eunseo Dana Choi

eunseo.choi@oecd.org | eunseochoii.github.io

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

- Co-first author and lead coordinator of an expert survey and public consultation on thresholds for frontier AI, engaging 200+ stakeholders from academia, civil society, and the public/private sectors. Analyzed and synthesized findings for presentation at high-profile events.
- Leading a part-time team of three engineers in the design and development of OECD AI Policy Research Assistant, a RAG-based LLM product. Designed prototypes and conducted automatic and human evaluations, including log analysis and semi-structured interviews. Reduced search time by 58% and navigation clicks by 64% compared to existing OECD tools.
- Co-organized panels on thresholds for frontier AI with the UK AI Security Institute at the French AI Action Summit within 4 weeks.
- Coordinated with 200+ national government contact points across 70+ countries and territories to update 1400+ policy initiatives on OECD.AI policy database.
- Advised OECD Head of Division and Unit on large language model integration across divisions, providing strategic recommendations.
- Delivered briefings to 300+ policymakers and experts at AI Safety Institutes and the OECD Working Party on AI (GPAI).

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)