Eunseo Dana Choi

choie@mit.edu | 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 Division, Directorate for Science, Technology, and Innovation — *Paris, France*

- Co-lead expert survey and public consultation on thresholds for advanced AI systems, engaging 213 stakeholders from academia, civil society, public, and private sectors. Managed stakeholder pushbacks and led key events such as the Convening Network of AISIs, FAISC Conference, and a planned panel at the 2025 French AI Action Summit with the UK AI Safety Institute.
- Designed and implemented the OECD AI Policy Research Assistant, utilizing human-centered design and rigorous evaluation frameworks to reduce search time by 58% and navigation clicks by 64% compared to existing OECD tools, significantly enhancing user experience under resource constraints.
- Drafted research proposals for OECD/GPAI experts on AI safety and governance.
- Collaborated with cross-functional teams to redesign the OECD global AI policy initiatives database, improving information architecture.
- 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 Lab at MIT CSAIL — 2021 – 2023
Advisor: Dylan Hadfield-Menell — *Cambridge, USA*

- Conducted counterfactual experiments using agent-based models and multi-agent learning algorithms (Pytorch, Ray RLlib); explored imitation as a cultural inheritance system for cumulative cultural evolution, focusing on complex skill learning and group stability
- Facilitated workshops on large language models for non-technical CSAIL member companies, discussing potential applications and challenges in pharmaceutical industry.

Olivetti Lab at MIT Department of Material Science and Engineering — 2020 – 2022
Advisor: Elsa Olivetti — *Cambridge, USA*

- Applied Bayesian hierarchical regression modeling (PyMC2) and dynamic materials flow modeling (Python) to reduce uncertainty in forecasting material demand and flows. This work was nominated for the 2023 JIE Best Paper Prize. [Publication]
- Briefed technical findings to practitioners & leadership at a multinational technology company (NDA), providing recommendations for corporate policymaking on effective materials substitution and recycling; 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*

- Led published research investigating how key features of the Airbnb reputation system impact user trust and community sustainability through exploratory data analysis of 150K+ structured bookings data (R) and controlled experiments with 1,000 users via Qualtrics [Publication]

SKILLS, AWARDS, & SERVICE

TOOLS AND FRAMEWORKS: Python. R. SQL. Langchain. Ray. PyTorch. RLlib. Qualtrics survey design. Amazon Mechanical Turk experiment design. **LANGUAGES**: Korean (native), English (fluent), French (intermediate)
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)