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 Policy Researcher, Directorate for Science, Technology, and Innovation — *Paris, France*

- Co-leading expert survey and public consultation on thresholds for advanced AI systems with external domain experts and partners; synthesizing input from 213 expert stakeholders across academia, civil society, public sector, and private sector
- Leading the development of OECD AI policy research assistant, incorporating human-centered design principles, comprehensive evaluation frameworks, and adversarial testing under resource constraints
- Conceptualizing and drafting research proposals for OECD/GPAI experts on AI safety and governance
- Re-designing the information architecture for OECD global AI policy initiatives database with cross-functional teams
- Preparing strategic recommendations for OECD Head of Division and Head of Unit; advised on the integration of large language models across divisions within OECD
- Delivering briefings to AI Safety Institutes and the OECD Working Party on AI (GPAI) including 300+ policymakers and experts

Algorithmic Alignment Lab at MIT CSAIL — 2021 – 2023
Graduate Researcher, Advisor: Dylan Hadfield-Menell — *Cambridge, USA*

- Explored imitation as a cultural inheritance system for cumulative cultural evolution, enabling the learning of complex skills and enhancing group stability and coordination; conducted counterfactual experiments using agent based models and multi-agent learning algorithms (Pytorch, Ray RLlib)
- Facilitated workshops on large language models for non-technical CSAIL member companies, highlighting potential applications and challenges in integrating this technology into business processes across diverse industries

Olivetti Lab at MIT Department of Material Science and Engineering — 2020 – 2022
Fully-funded Economics Research Assistant, 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 [Publication - nominated as one of several finalists for a 2023 JIE Best Paper Prize]
- 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
- Leveraged named entity recognition across a large corpus of 150K journal papers to extract information on material and operational challenges in scaling Lithium battery production

Interaction Lab at KAIST (KIXLAB) — 2020
Social Computing Research Intern, Advisor: Juho Kim — *Daejeon, Korea*

- Explored various forms of user engagement aggregation, assessing their impact on pluralistic online discussion; led a mixed-methods study involving 10 semi-structured observational interviews and a between-subjects user study with 200+ participants [Publication]

Lab on Innovation, Networks, and Knowledge at Northwestern University — 2018 – 2019
Computational Social Science Researcher, Advisor: Agnes Horvat — *Evanston, USA*

- Investigated the effect of key features in Airbnb reputation system on in-group biases, user trust, and community sustainability; conducted exploratory data analysis on 150K+ bookings data (structured) using R, followed by controlled experiments with 1000 Airbnb 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)