

Minjae Lee

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EDUCATION

Feb. 2024 ~ Present	Pohang University of Science and Technology (POSTECH) Graduate School of Artificial Intelligence <i>Ph.D. Student</i> <i>Advisor: Sangdon Park</i>	Pohang, Korea
Feb. 2020 ~ Feb. 2024	Pohang University of Science and Technology (POSTECH) Department of Computer Science and Engineering <i>B.S. in Computer Science and Engineering</i> <i>GPA: 3.5 / 4.3</i>	Pohang, Korea

RESEARCH INTERESTS

- Multi-value alignment
- Online learning
- Selective prediction
- Trustworthy AI
- Machine learning

PUBLICATIONS

1. **Minjae Lee**, Kyunghyun Cho, Sangdon Park, “Which Preferences to Train On? End-to-End Multi-Objective Alignment with an Adversarial Preference Distribution”, *arXiv preprint arXiv:2610.04845*, 2026
2. **Minjae Lee***, Yoonjae Jung*, Sangdon Park, “Online Conformal Abstention Under Adversarial Bandit Feedback”, *The Fortieth Annual Conference on Neural Information Processing Systems*, 2026
Award: Best Paper Finalist from CKAIA
Also presented at ICLR'26 Reliable Autonomy Workshop
*: equal contribution
3. Taesoo Kim, HyungSeok Han, Soyeon Park, ..., **Minjae Lee**, ... (46 authors), “ATLANTIS: AI-driven Threat Localization, Analysis, and Triage Intelligence System”, *arXiv preprint arXiv:2509.14589*, 2025
Award: DARPA AIxCC Winner - \$(4+2)M Award
4. **Minjae Lee***, Kyungmin Kim*, Taesoo Kim, Sangdon Park, “Selective Generation for Controllable Language Models”, *Neural Information Processing Systems*, 2024
Award: Spotlight; POSTECH GSAI BK21 Best Paper Award
*: equal contribution

AWARDS AND HONORS

- Winner (Team Award), DARPA AI Cyber Challenge (AIxCC) Final Competition, United States (Aug. 2025)
as a member of Team Atlanta, joined during the final round

RESEARCH EXPERIENCE

- Graduate Researcher, Machine Learning Lab, POSTECH (Feb. 2024 ~ Present)
Multi-objective alignment, online learning, selective prediction

- Visiting Researcher, New York University, USA (Sep. 2026 ~ Nov. 2026)
- Visiting Researcher, New York University, USA (Jul. 2025 ~ Aug. 2025)
- Member, Team Atlanta (DARPA AIxCC Final) (2025)
- Research Student, Machine Learning Lab, POSTECH (Jun. 2023 ~ Feb. 2024)
Placement problem with machine learning
- Research Student, Machine Learning Lab, POSTECH (Feb. 2023 ~ Jun. 2023)
GNN study & 'SMILES for General Graph Generation'
- Research Student, Computer Vision Lab, POSTECH (Sep. 2022 ~ Jan. 2023)
Object detection with 'Mask-Aware Transformer for Large Hole Image Inpainting'
- Research Student, Computer Vision Lab, POSTECH (Jun. 2022 ~ Aug. 2023)
cs231n study

SKILLS

- Deep learning: pre-trained models, transfer learning, fine-tuning; various deep learning architectures
- PyTorch
- Linux servers for training and running deep learning models
- OpenCV & shaders, MATLAB