

Tri Wahyu Guntara

Applied Research Engineer (RL), KRAFTON

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Research interests: making reinforcement learning work outside benchmark conditions — from agents shipped in games to sim2real transfer on physical robots.

Experience: state, action, and reward design for game environments; sim2real and vision-language-action (VLA) models for robot control; information-theoretic representation learning; multi-agent policy optimization.

EDUCATION

2021.09 - 2024.08	M.S. in Artificial Intelligence , Korea Advanced Institute of Science and Technology (KAIST) (Advisor: Kee-Eung Kim) Thesis: Information-Theoretic Distraction-Free Representation Learning for Visual Offline RL
2016.09 - 2020.08	B.Eng. in Electrical Engineering , Universitas Indonesia

EXPERIENCE

2026.07 - Present	Research Engineer , Ludo Robotics Seoul, South Korea - Concurrent position, dispatched from KRAFTON to Ludo Robotics, a robotics spin-off of the company - Vision-language-action (VLA) policies and systems integration for real-robot deployment of Ludi 0.1, an agentic system for socially intelligent robots
2024.11 - Present	Applied Research Engineer (RL) , KRAFTON Inc. Seoul, South Korea 2025.12 - Present Physical AI Team - RL for sim2real and vision-language-action (VLA) models 2024.11 - 2025.11 Reinforcement Learning Team - RL agents for PUBG and PUBG: Blindspot
2023.01 - 2024.08	Graduate Student Research Assistant , Artificial Intelligence & Probabilistic Reasoning Lab , KAIST South Korea Reinforcement learning and thesis project under the advisory of Prof. Kee-Eung Kim
2022.01 - 2022.12	Graduate Student Research Assistant , Autonomous Vehicles and Embedded Systems Lab , KAIST South Korea Self-driving car and reinforcement learning under the advisory of Prof. Seung-Hyun Kong
2019.06 - 2019.12	Research Scientist Intern , Kata.ai Indonesia - Benchmarked models on Indonesian sequence labeling tasks (POS tagging, NER, SRL) - Collected scattered Indonesian-English data and benchmarked models on neural machine translation

PUBLICATIONS

P2 2026	Ludi 0.1: An Agentic System for Socially Intelligent Robots Wooseong Chung, William Cong, Jakub Dworakowski, Ethan Ewer, Tri Wahyu Guntara , Yeonwoo Jeong, Tianchong Jiang, Chaewon Kim, Hyunseo Kim, Jinwoo Kim, Jinyeon Kim, Yea-Seul Kim, Jack Kunde, Kangwook Lee, Sangheon Lee, Robert Nowak, Junha Roh Ludo Robotics Technical Report paper project page
C2 2026	ACPO: Agent-Chained Policy Optimization for Multi-Agent Reinforcement Learning Daiki E. Matsunaga, Junho Na, Tri Wahyu Guntara , Scott Sanner, Pascal Poupart, Jongmin Lee, Kee-Eung Kim Reinforcement Learning Conference (RLC) 2026 paper

P1	2025	CLEAR: An Information-Theoretic Framework for Distraction-Free Representation Learning in Visual Offline RL Tri Wahyu Guntara , Daiki E. Matsunaga, HyeongJoo Hwang, Kee-Eung Kim Preprint paper code project page
C1	2024	Kernel Metric Learning for In-Sample Off-Policy Evaluation of Deterministic RL Policies Haanvid Lee, Tri Wahyu Guntara , Jongmin Lee, Yung-Kyun Noh, Kee-Eung Kim ICLR 2024 · Spotlight paper code
W1	2020	Benchmarking Multidomain English-Indonesian Machine Translation Tri Wahyu Guntara , Alham Fikri Aji, Radityo Eko Prasojo LREC Workshop on Building and Using Comparable Corpora (BUCC) 2020 paper

PROJECTS

2026	Ludi 0.1: An Agentic System for Socially Intelligent Robots Agentic Robotics System: a robot that holds a spoken conversation while it perceives, navigates, and manipulates, driven by a fine-tuned vision-language model that reasons over context and calls the navigation and manipulation policies as tools. Contributed the vision-language-action (VLA) policies and the systems integration behind deploying it on the real robot. project page technical report
2024	CLEAR: Controllable Latent State Extractor for Visual Offline RL Master's thesis project on learning agent-centric latent representations that remain robust when the visual observation is full of distractions. project page paper code
2018	PALAPA-707: An Autonomous VTOL Drone for the Indonesia Flying Robot Contest 2018 Undergraduate team project at Universitas Indonesia: an autonomous drone for payload pick-up and delivery, built around a PID controller with vision-based target detection. project page source code

SCHOLARSHIPS & AWARDS

2021.09 - 2023.08	Hyundai Motor Chung Mong-Koo Global Scholarship Full scholarship for the duration of the 2-year master's study at KAIST
2018.11	Indonesia Flying Robot Contest 2018 — Honorable Mention Vertical take-off and landing (VTOL) category