Hyun-Kurl Jang

Ph.D. student in KAIST
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Personal Data

- **Nationality**: Republic of Korea
- **Language**: Korean(First language), English

Education

- **Korea Advance Institute of Science and Technology (KAIST)** — Daejeon, South Korea
  Integrated MS/PhD Course in Mechanical Engineering (GPA: 4.01/4.3) — Sept. 2022 – Present
  Advisor: Kuk-Jin Yoon
- **Korea Advance Institute of Science and Technology (KAIST)** — Daejeon, South Korea
  BS in Mechanical Engineering (GPA: 3.57/4.3) — March 2016 - August 2022

Research Interest

- **Computer Vision and Deep Learning**
  - Semantic Segmentation
  - 3D Perception
  - Test-Time Adaptation

Publications

(* denotes equal contribution.)

- [**Preprint**] **Hyun-Kurl Jang***, Jihun Kim*, Hyeokjun Kweon, Kuk-Jin Yoon . "Distill Once, Adapt Life-Long: Exploring Dataset Distillation for Continual Test-Time Adaptation"
- [**Preprint**] Yuhwan Jeong*, Hyeonseong Kim*, Daehyun We*, Seonkyu Song*, Jinnyeong Yang*, **Hyun-Kurl Jang**, Youngho Yoon, Seokwoo Jung, Kuk-Jin Yoon. "FrozenDrive: Zero-Shot Text-Guided Multi-View Driving Scene Generation with Parameter-Free Frozen Diffusion Model for Autonomous Driving in the Wild"
- [**Accepted in CVPR 2026 Findings**] Jihun Kim*, **Hyun-Kurl Jang***, Hyemin Yang*, Jinnyeong Yang*, Hyeokjun Kweon, Kuk-Jin Yoon. "LiDAR-SAM2: Label-Free Interactive Segmentation for LiDAR Stream"
- [**CVPR 2026**] Hyeonseong Kim*, **Hyun-Kurl Jang***, Kuk-Jin Yoon. "Test-Time Training for LiDAR Semantic Segmentation under Corruption via Geometric Inlier Discrimination"
- [**NeurIPS 2024**] **Hyun-Kurl Jang***, Jihun Kim*, Hyeokjun Kweon*, and Kuk-Jin Yoon. "TALoS: Enhancing Semantic Scene Completion via Test-time Adaptation on the Line of Sight"
- [**ECCV 2024**] Youngho Yoon*, **Hyun-Kurl Jang***, and Kuk-Jin Yoon. "GMT: Enhancing Generalizable Neural Rendering via Geometry-Driven Multi-Reference Texture Transfer"
- [**CVPR 2023, Highlight**] Taewoo Kim, Yujeong Chae, **Hyun-Kurl Jang**, and Kuk-Jin Yoon. " Event-based Video Frame Interpolation with Cross-Modal Asymmetric Bidirectional Motion Fields" **(Top2.5% of submissions)**

Projects

- AI Research for Intelligent X-ray Luggage Scanning System — 2022 - 2024
- 2025 HMG Autonomous Driving Challenge – Advisor — 2024 - 2024
- Data Augmentation and Sensor Fusion Techniques for Robust Autonomous Driving - 42dot — 2025 - 2025
- Development for Autonomous Driving in Unstructured Off-Road Environments - Hanwha Aerospace — 2025 -

Honors and Awards

Reviewer of Top-tier conferences: CVPR, ICCV, ECCV, NeurIPS

- Selected as a NeurIPS 2025 Top Reviewer — 2025
- Gold prize in Best Paper Awards during 35th Workshop on Image Processing and Image Understanding — 2023