Junho Koh

Ph.D student

✉ jhkim@spa.snu.ac.kr · 📱 +82 10 9852 6898

📍 303, 84, Nambusunhwan-ro 234-gil, Gwanak-gu, Seoul, South Korea

🔗 https://www.linkedin.com/in/jungho-kim-97a302193/

🔗 https://github.com/SPA-junghokim

Overview

Research interest areas:

- End-to-End Autonomous Driving
- 3D Occupancy Prediction
- Vectorized HD Map Construction
- Trajectory Prediction & Planning
- Camera-based 3D Perception

ProtoOcc: Accurate, Efficient 3D Occupancy Prediction Using Dual Branch Encoder-Prototype Query Decoder 📄

AAAI Conference on Artificial Intelligence (AAAI), 2025.

Jungho Kim*, Changwon Kang*, Dongyoung Lee*, Sehwan Choi, Jun Won Choi

Mask2Map: Vectorized HD Map Construction Using Bird's Eye View Segmentation Masks 📄

European Conference on Computer Vision (ECCV), 2024. (Oral)

Sehwan Choi*, **Jungho Kim***, Hongjae Shin, Jun Won Choi

SiT dataset: Socially Interactive Pedestrian Trajectory Dataset for Social Navigation Robots 📄

Neural Information Processing Systems (NeurIPS), 2023.

Jong Wook Bae*, **Jungho Kim***, Junyong Yun*, Changwon Kang*, Jeongseon Choi, Chanhyeok Kim, Junho Lee, Jungwook Choi, Jun Won Choi

R-Pred: Two-Stage Motion Prediction Via Tube-Query Attention-Based Trajectory Refinement 📄

IEEE/CVF International Conference on Computer Vision (ICCV), 2023.

Sehwan Choi, **Jungho Kim**, Junyong Yun, Jun Won Choi

CarPLAN: Context-Adaptive and Robust Planning with Dynamic Scene Awareness for Autonomous Driving 📄

Submitted, 2025

Junyong Yun*, **Jungho Kim***, ByungHyun Lee, Dongyoung Lee, Sehwan Choi, and Jun Won Choi

Recurrent Temporal Fusion in Bird's Eye View Representations for Multi-Camera 3D Perception 📄

Submitted, 2025.

Junho Koh*, Youngwoo Lee*, **Jungho Kim**, Dongyoung Lee, and Jun Won Choi