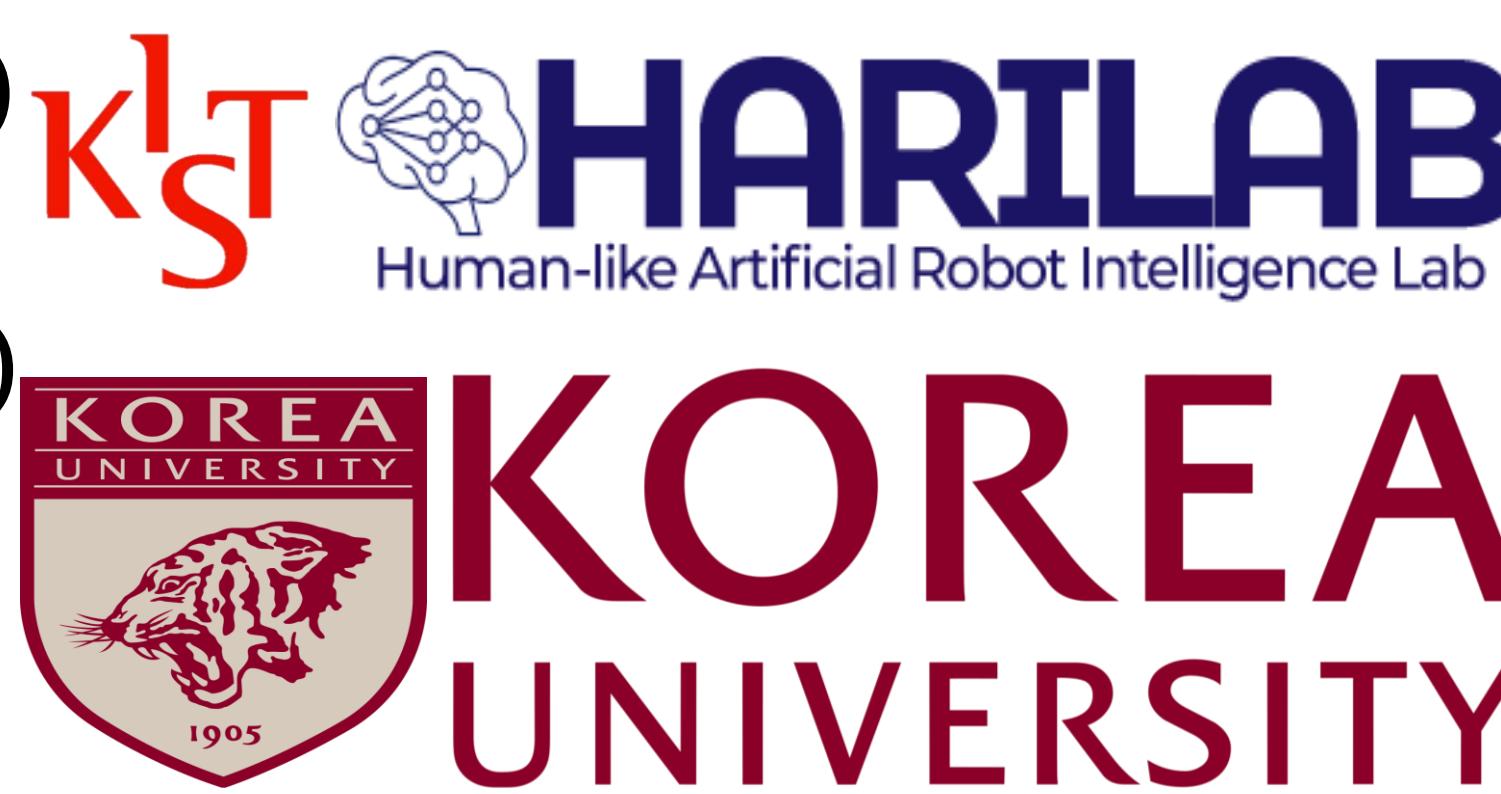




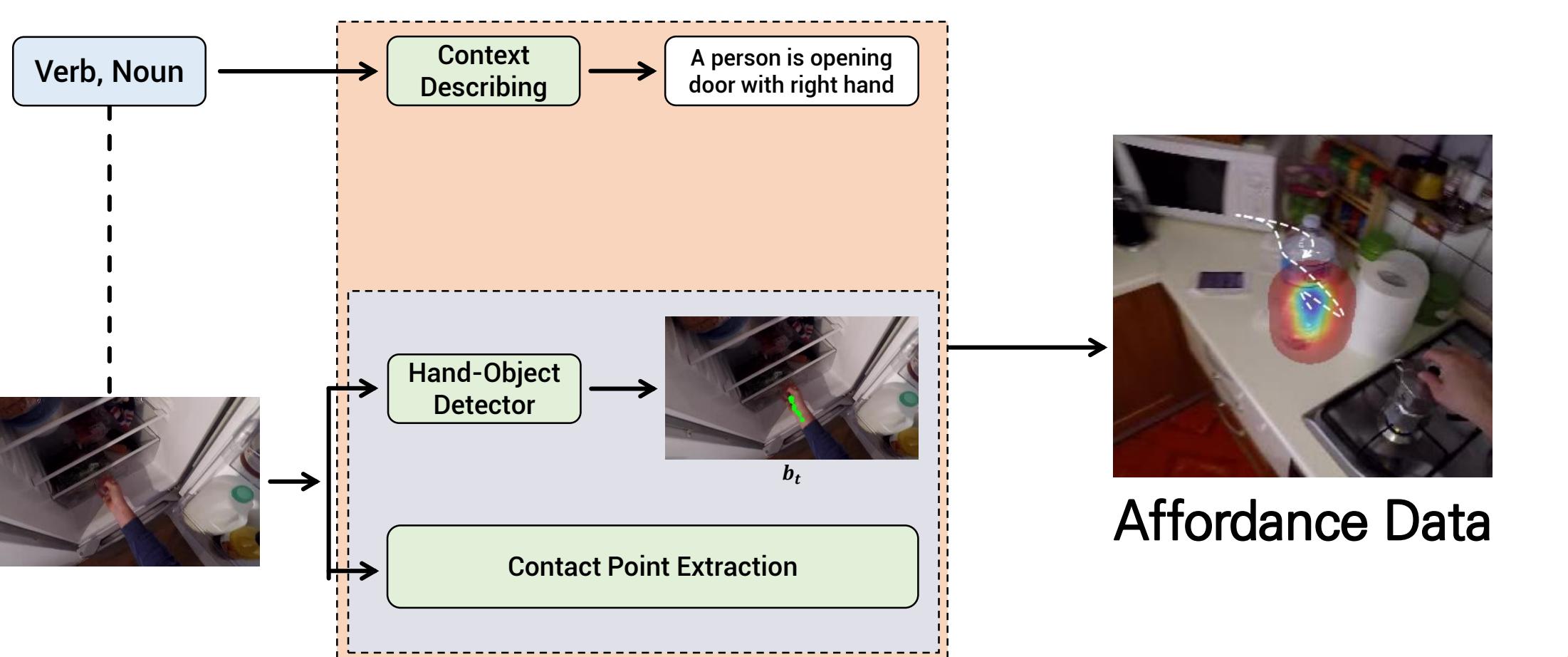
CAG: Context conditional Affordance Generation

Geonkuk Kim^{1,2}, Tae-Min Choi², Shinsuk Park², Juyoun Park^{1,*}

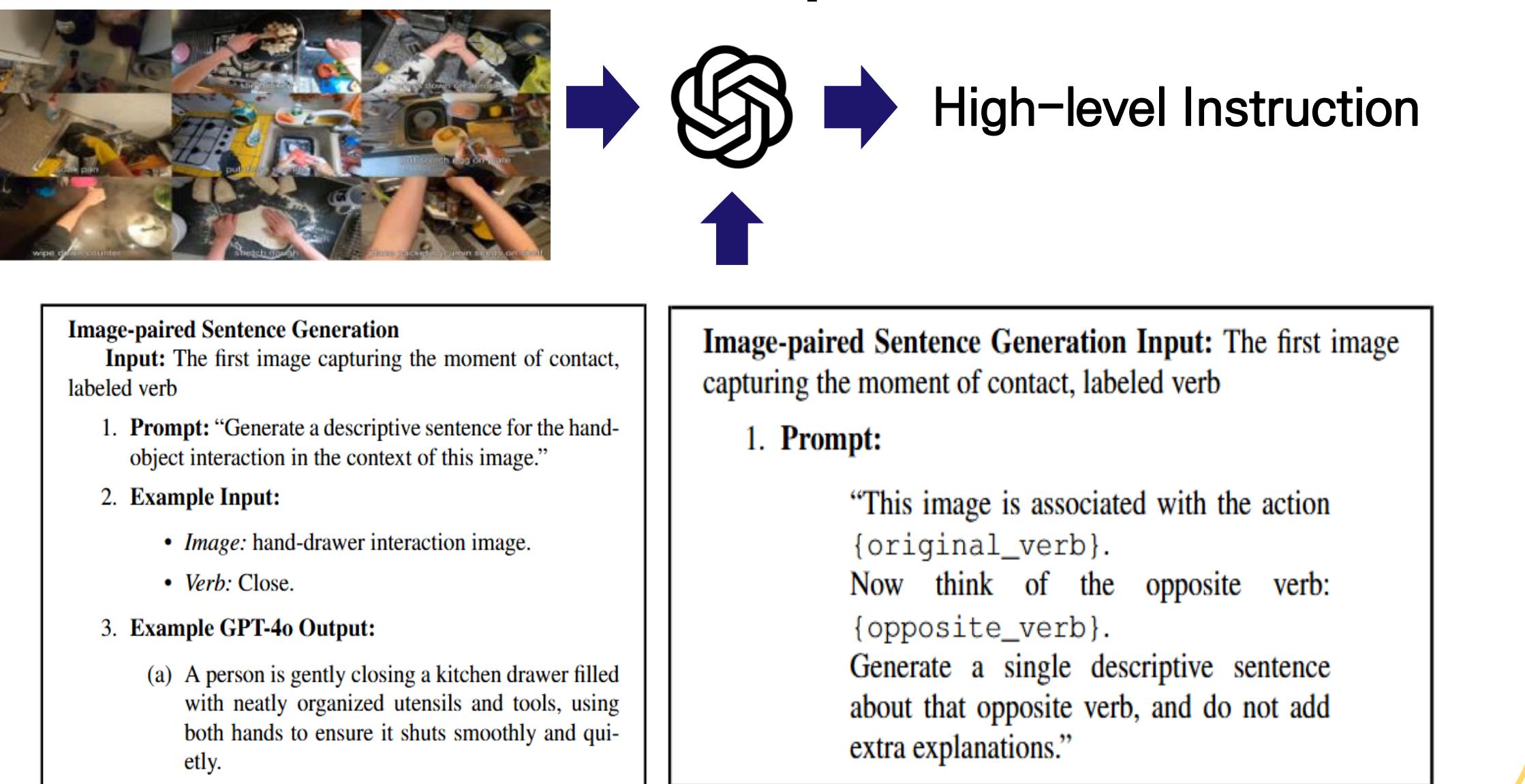


Affordance Data Collection from Wild Human Egocentric Online Data

Human-Object Interaction Data



Contextual Description Process



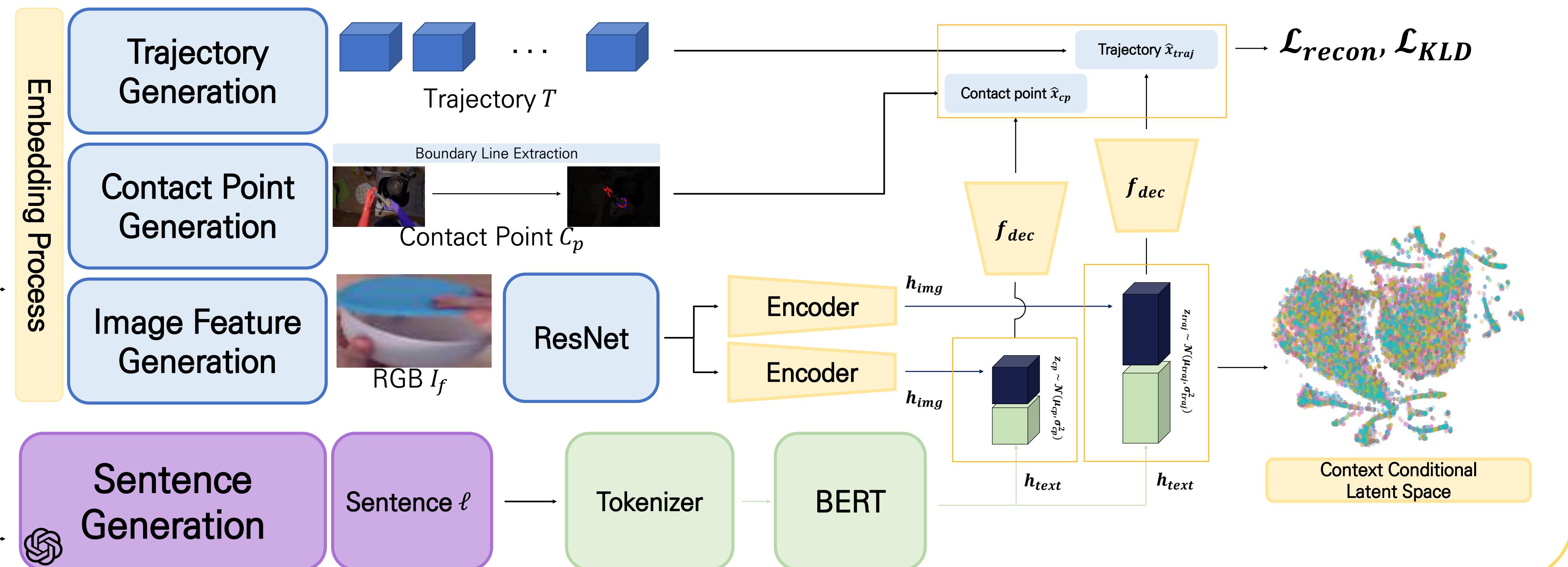
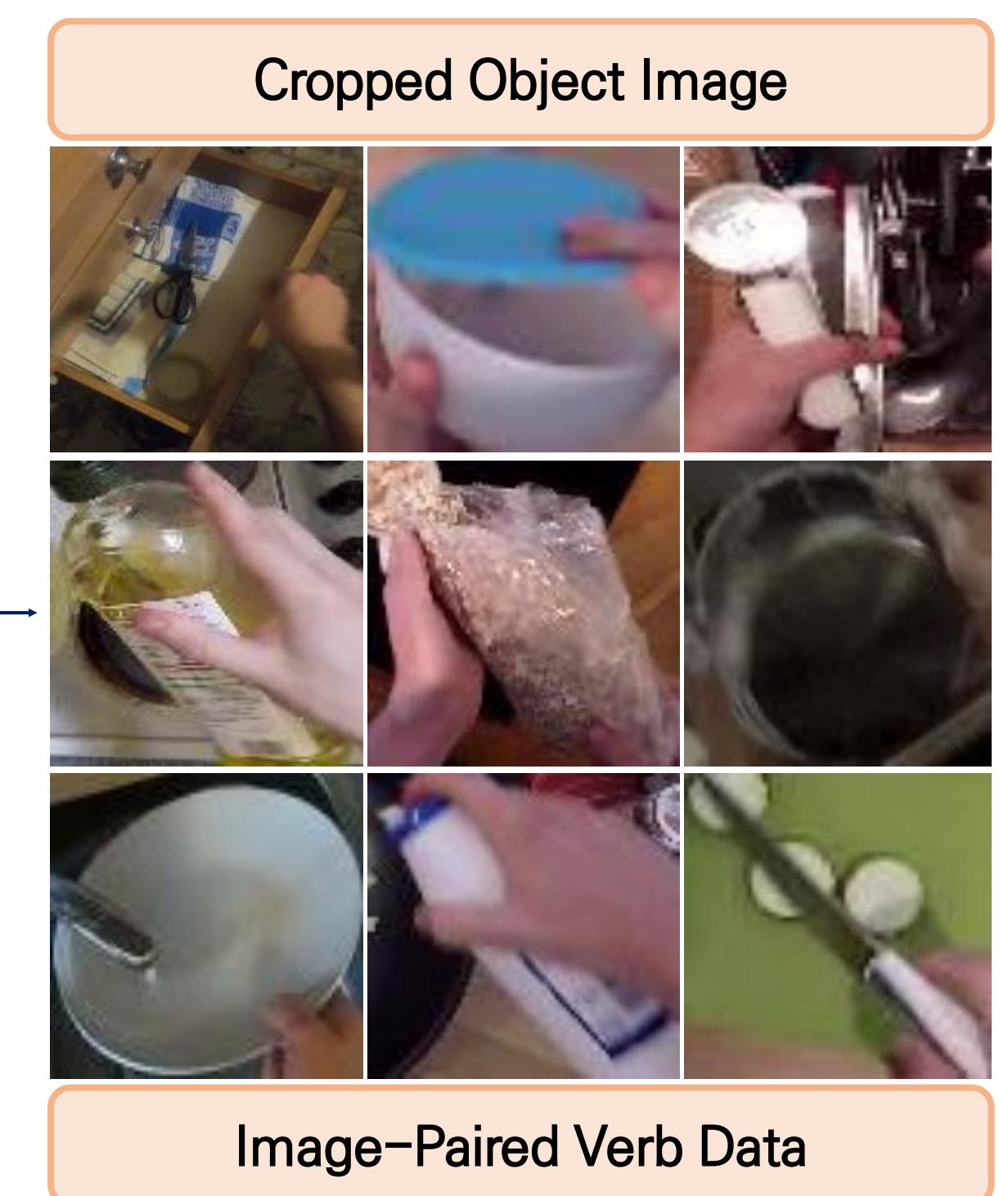
Lab page



My LinkedIn



Contextual 2-D Affordance Learning Process



Discussion

- Our CVAE-based affordance learning method effectively incorporates context awareness.
- Some constraints still remain for robotic manipulation tasks.
- Our model outperforms the baseline in evaluation.
- We also explore an LLM-based approach for affordance generation.

Future Works

: 3D Affordance-based Robotic Manipulation

