

# Agents Past Trajectories

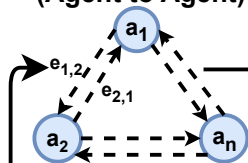


$T_0$   
 $T_{-1}$   
 $T_{-2}$   
 $T_{-3}$   
...  
 $T_{-n}$

$\Delta v +$   
Metadata

## Social Interaction

Crystal-GCN  
(Agent to Agent)



Multimodal Decoder  
(Regression & Confidences)

Preliminary  
multimodal predictions

Motion  
Refinement

Output

Refined Multimodal trajectories

## Social Encoder

Positional Encoding  $\sim$

Linear  
Encoder



Transformer Encoder

Multi-Head  
Self-Attention

Add & Norm

Feed Forward

Add & Norm

Latent actors