

Magenta: 艺术大师还是艺术工具?

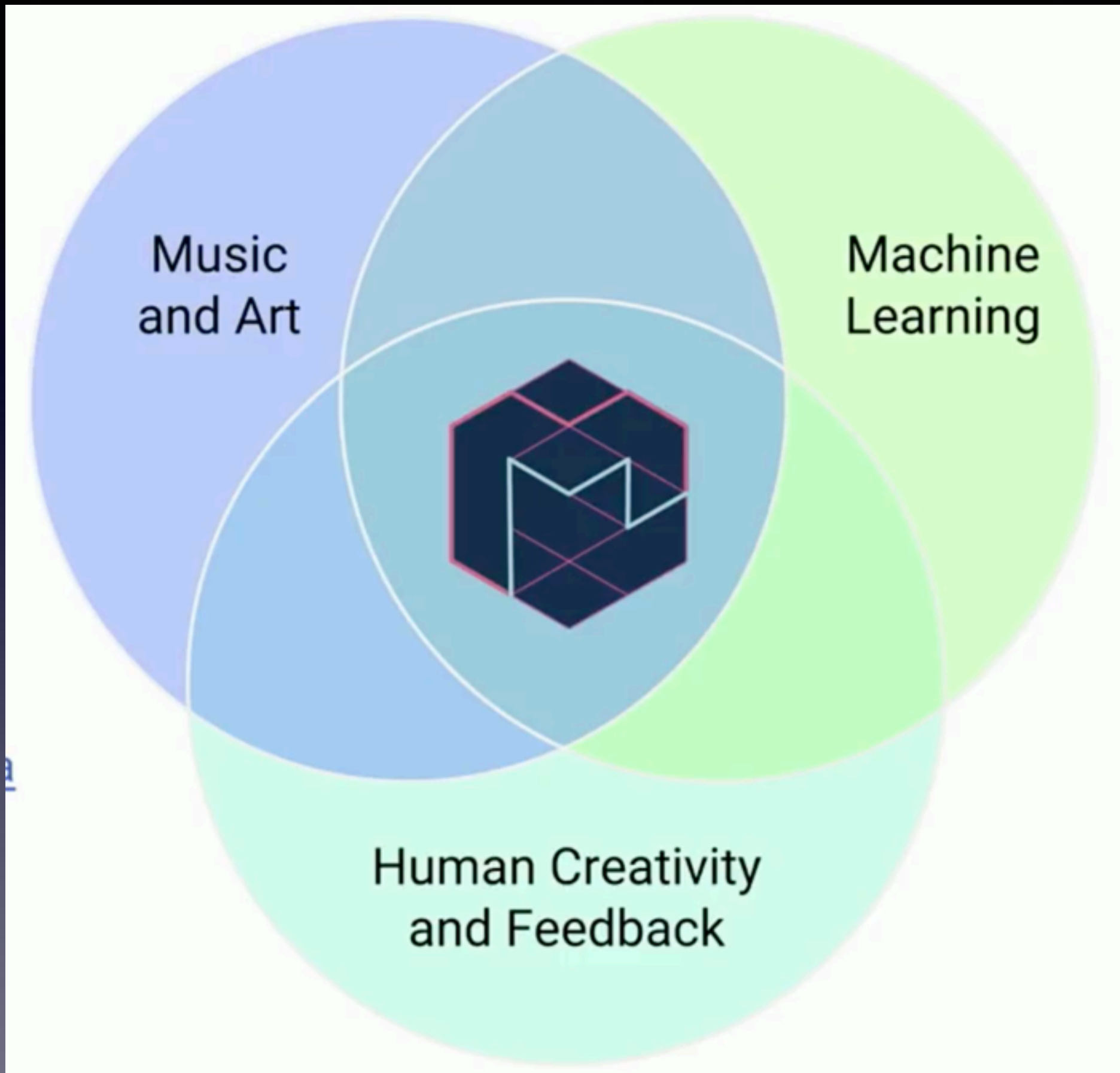
Walker@Udacity





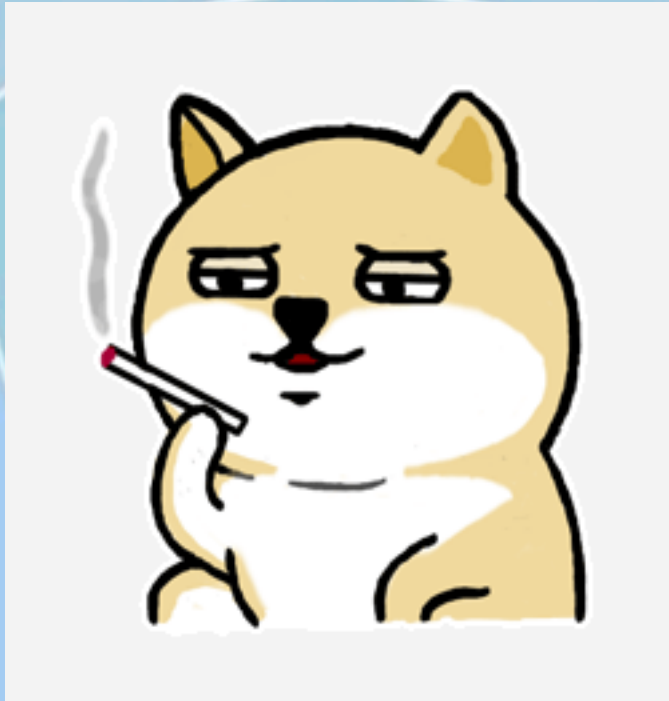
围棋大师





Music
and Art

Machine
Learning



Human Creativity
and Feedback

Music and Arts

VS

Technology





Music and Arts

VS

Technology

New Era
Music and Arts

VS

Technology
Magenta

Magenta



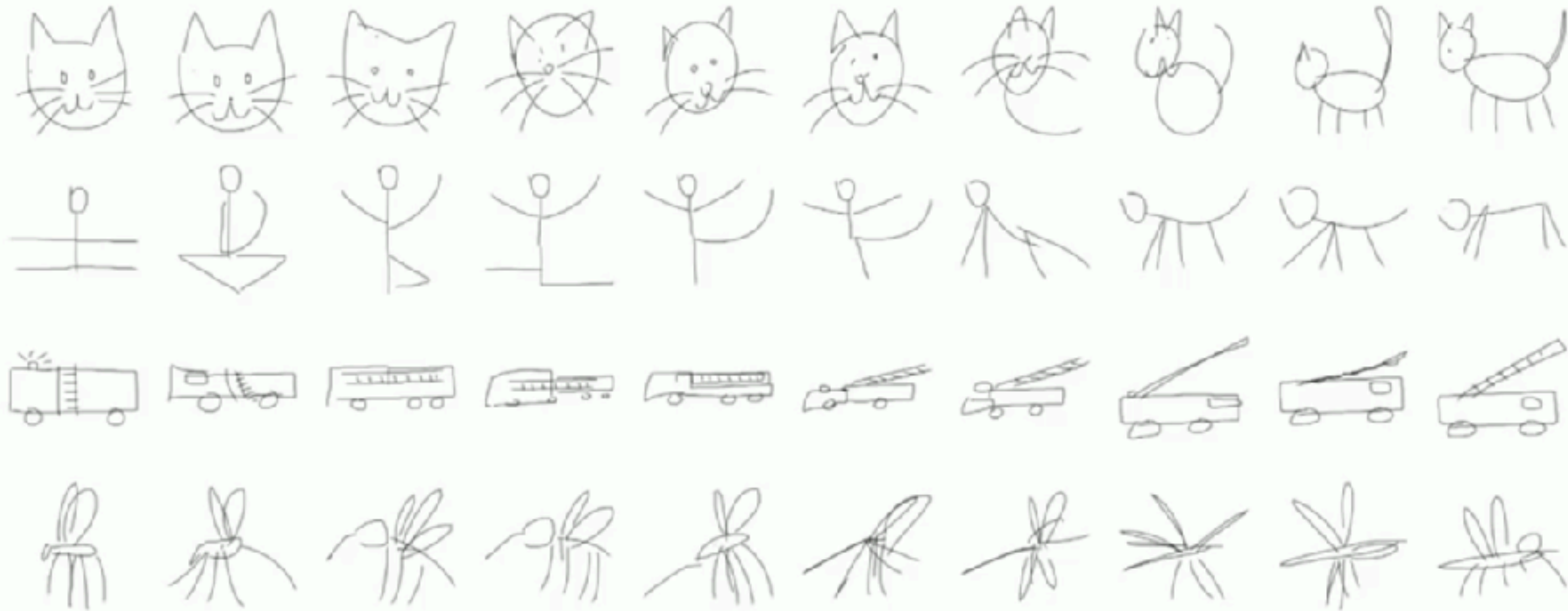
Machine Learning



Deep Learning

Demo: Quick, Draw!

Project I: Sketch-RNN












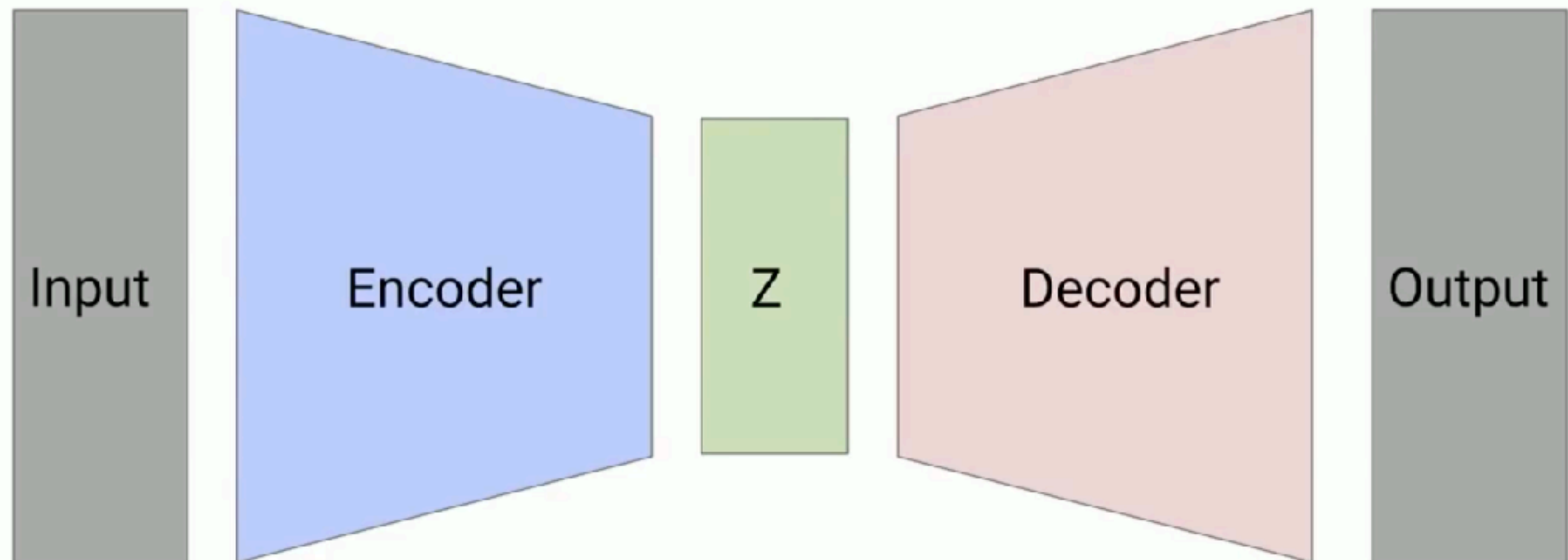
David Ha & Douglas Eck, [A Neural Representation of Sketch Drawings](#)

David is a [Google Brain Resident](#).



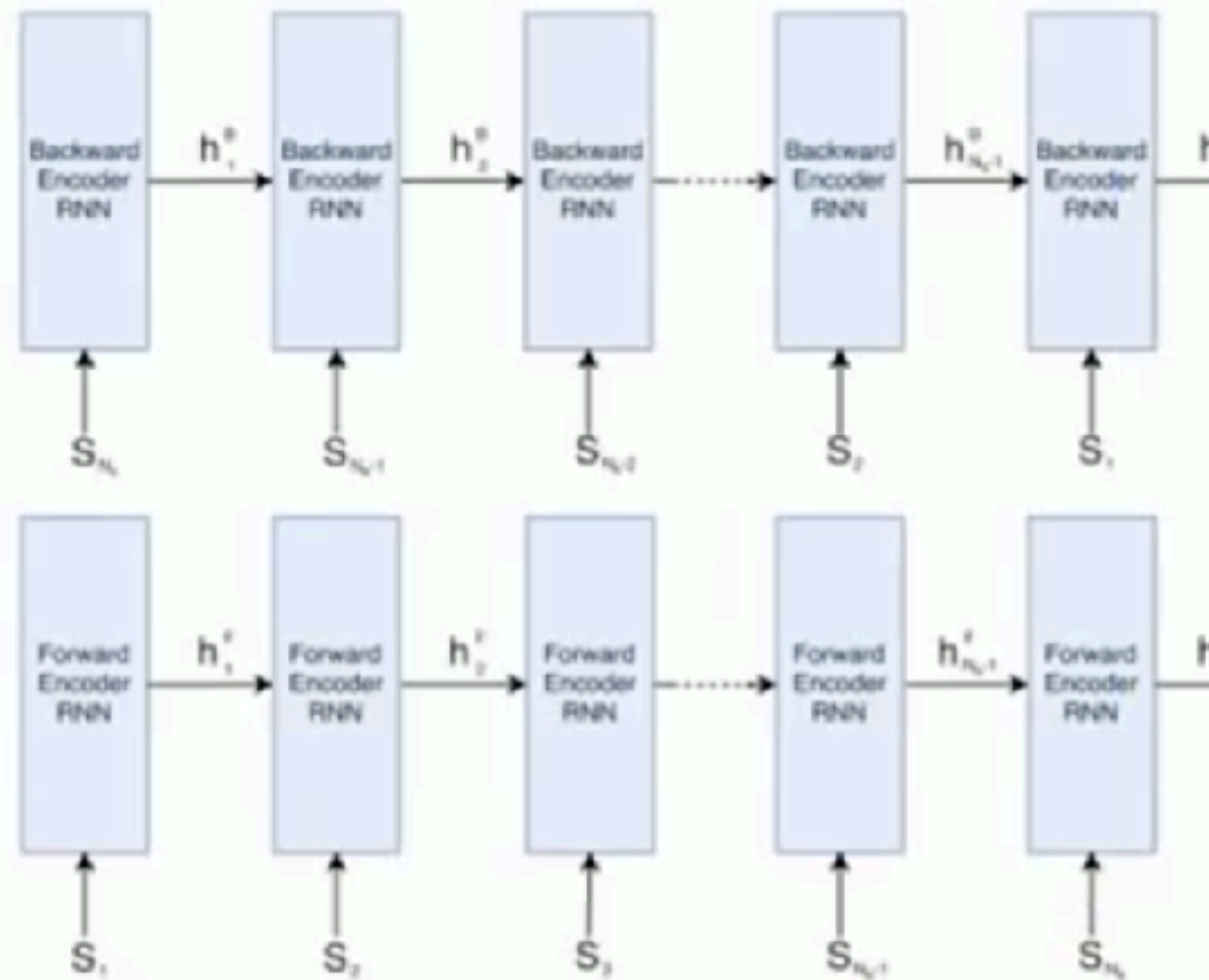


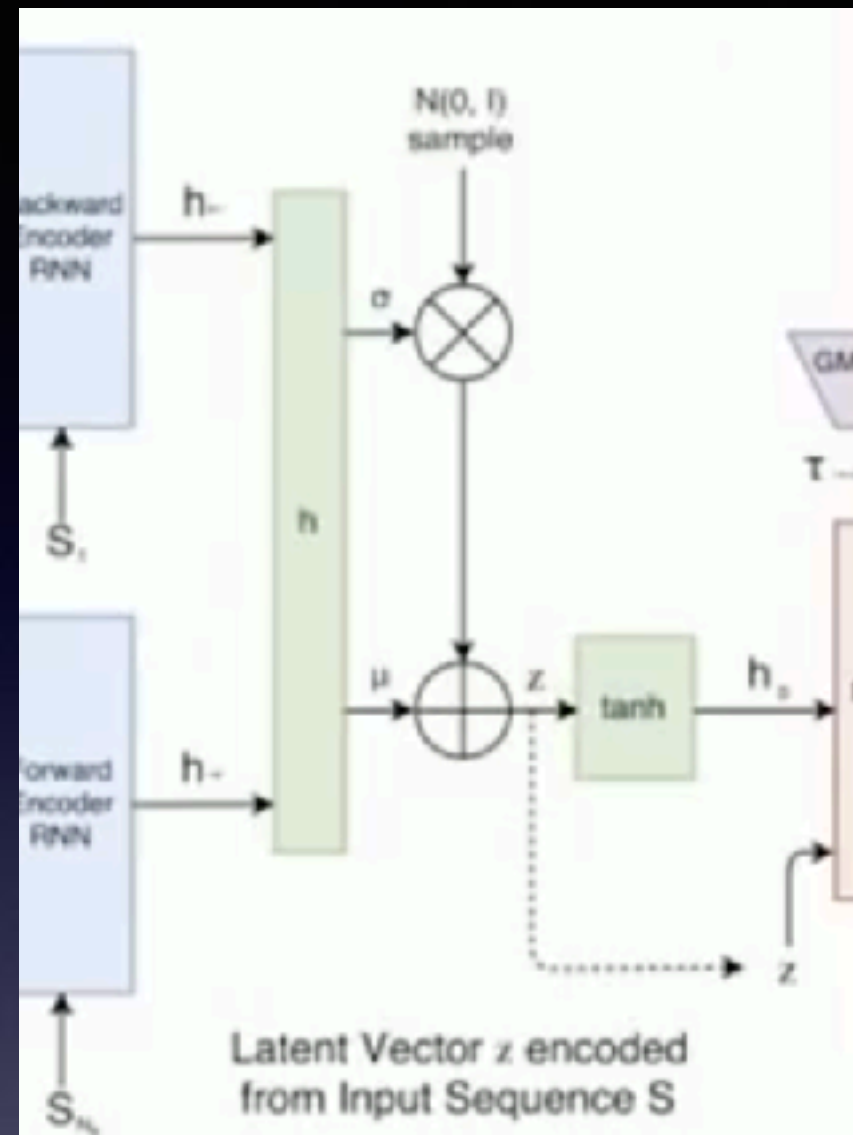


Input:
Stroke-Based
Drawing



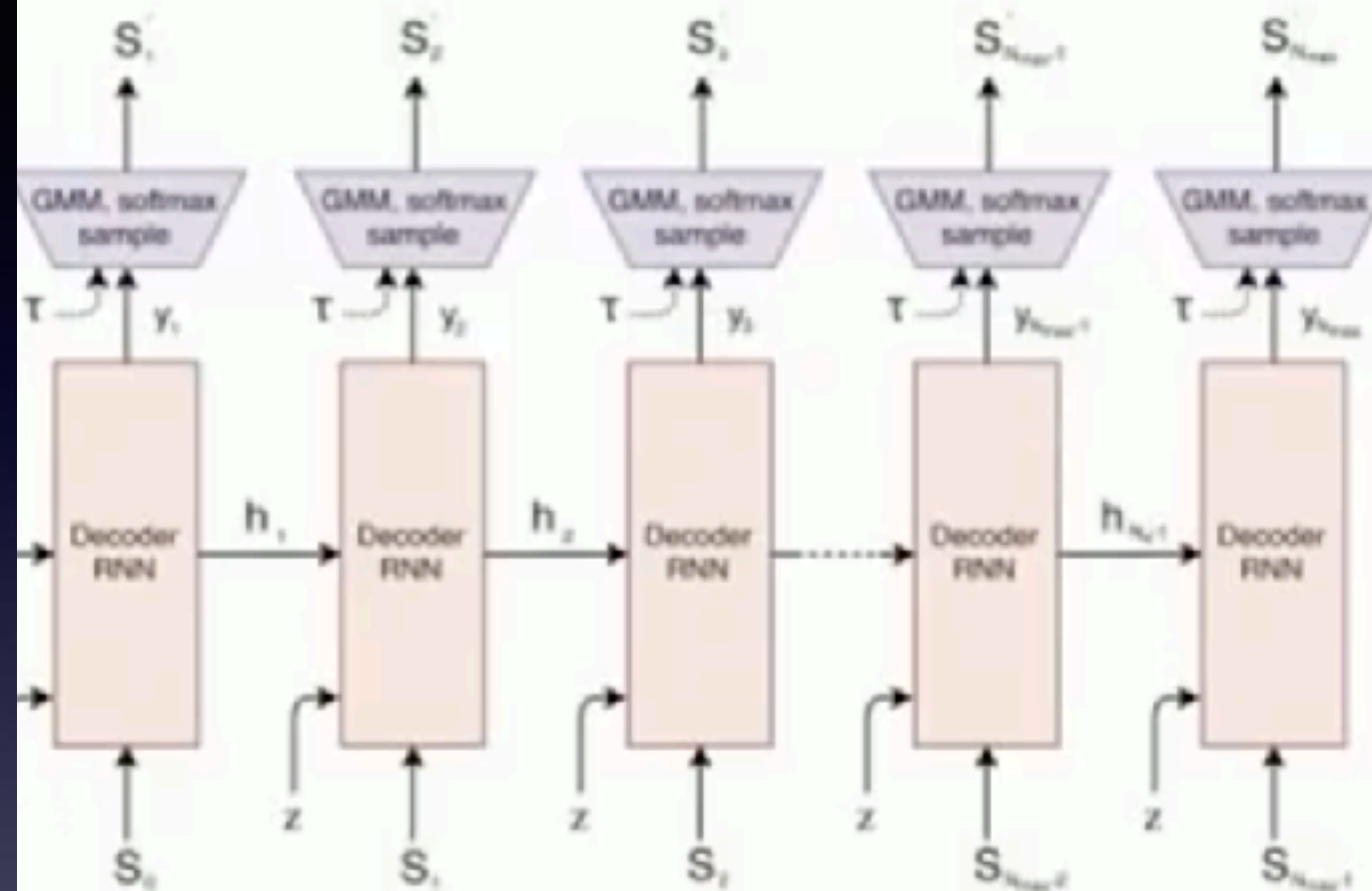


Encoder: Forward
and Backward RNN



Embedding:
Latent Vector
Input + Noise

Output Sequence S' conditionally generated from z



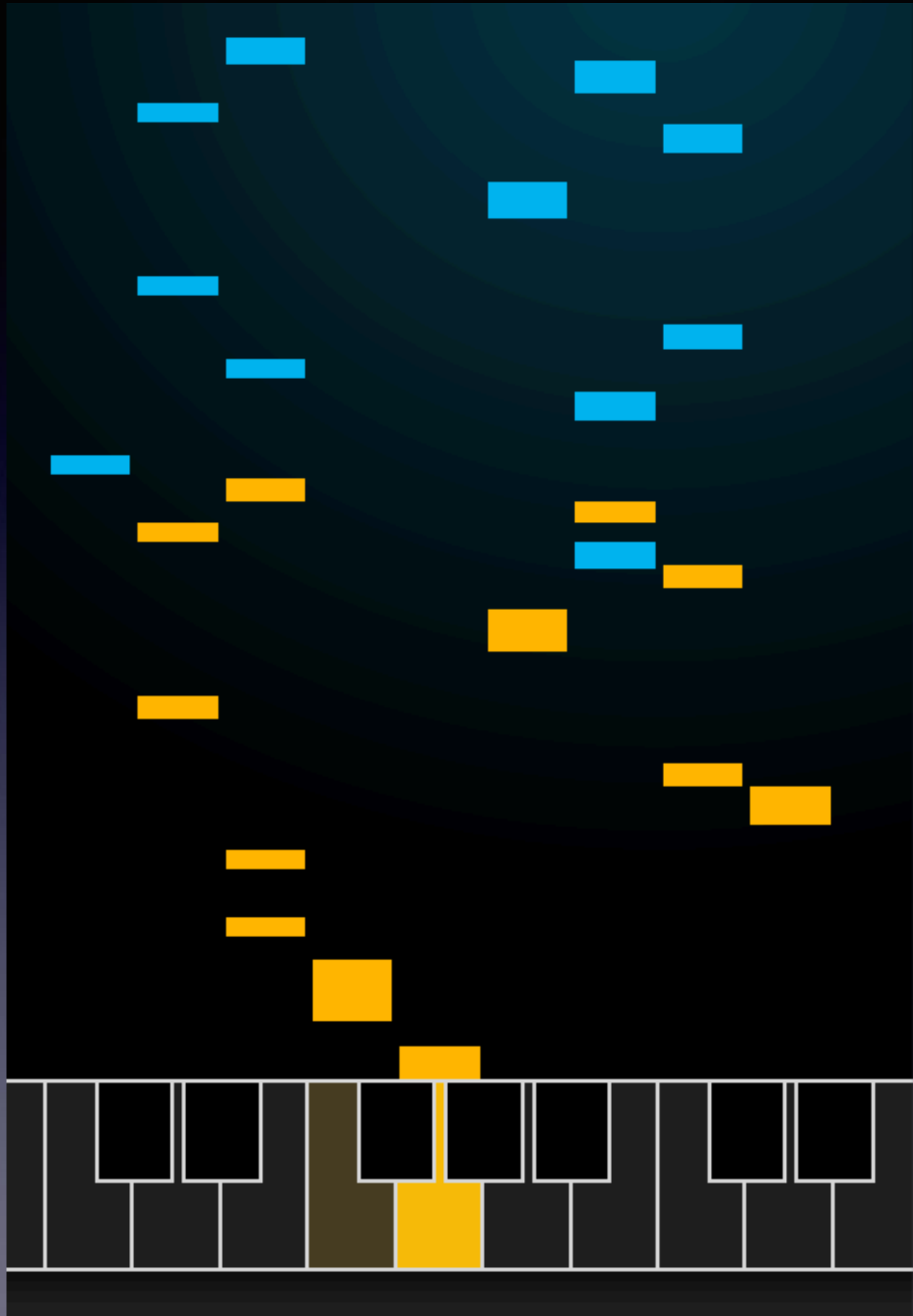
Decoder: RNN +
Mixture of Gaussians







A.I. Duet



Use AI to make new Arts

Questions?



Thank you!

