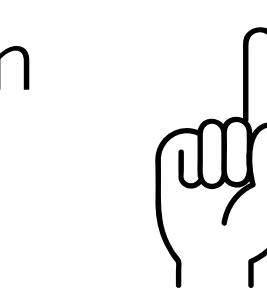


Highlights

- The first large-scale continuous American Sign Language dataset.
- More than 80 hours of multimodal and multiview videos of ASL with sentence-level alignment for more than 35k sentences.
- A rich set of annotations including gloss, category labels, and automatically extracted 2D keypoints.
- Contain a 3-hour subset recorded in the Panoptic studio[2] with 500+ cameras enabling high-quality 3D keypoints estimation.
- We conduct a study with ASL signers that gave insights on challenges that can be addressed in the field of SL.



Statistics

Green Screen Studio Panoptic Studio [2]

ASL videos	2,529	124
Duration (h)	79.12	2.96
English sentences	35,191	1,582
Vocabulary size	16,609	3,260
Body Pose	2D	3D
Camera views	3 HD + 1 RGB-D	520 views
# signers	9	6

Please refer to Table 2 of the paper for complete statistics information.



The Dataset

How2 Dataset [1]

Instructional videos



Speech signal

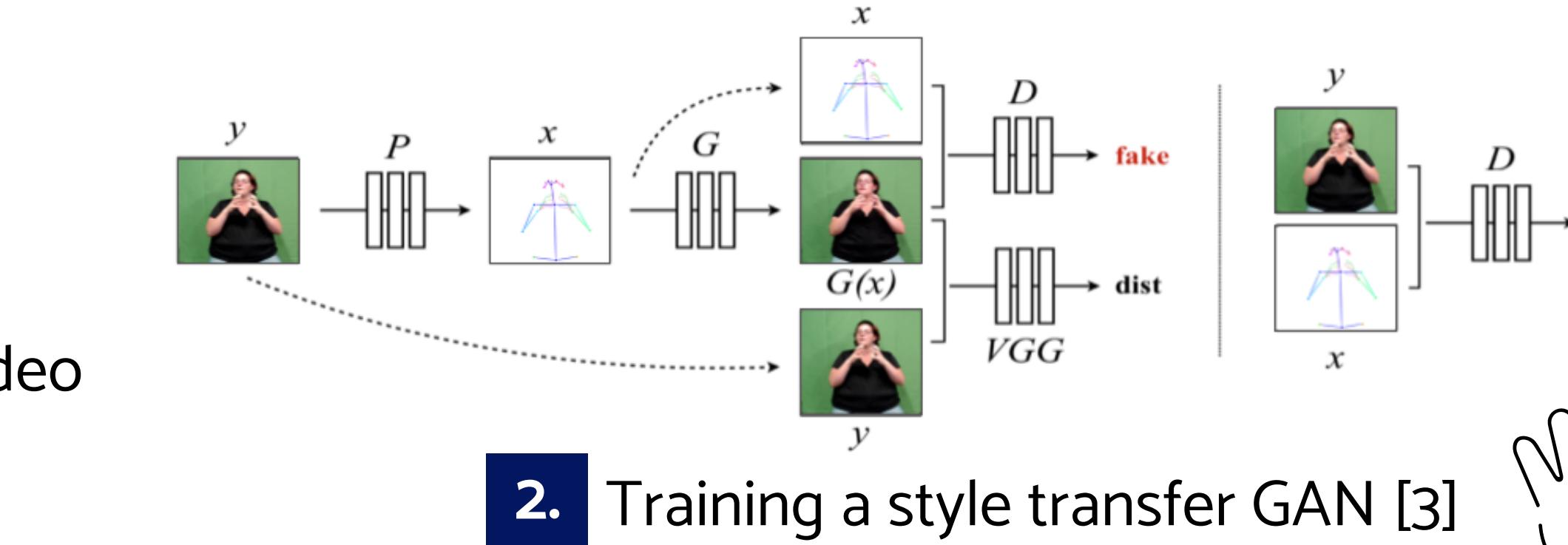
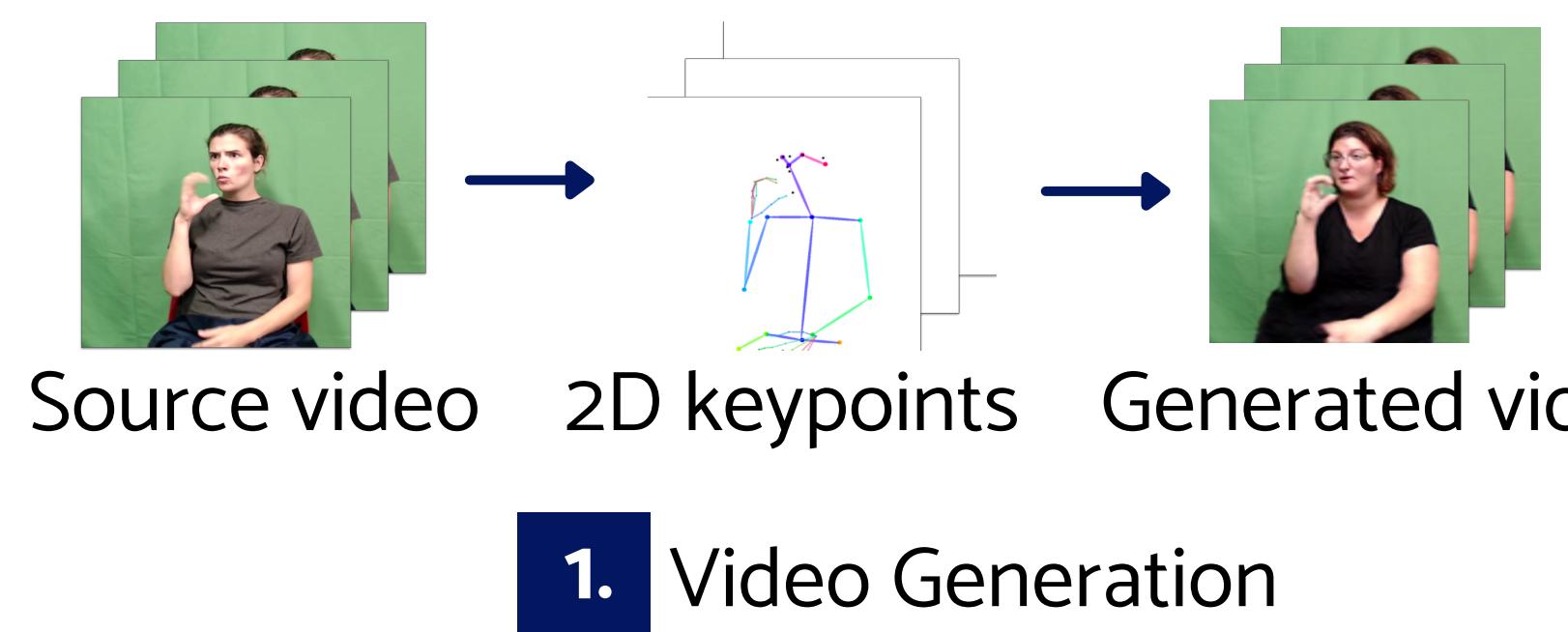


English Transcription

*Hi, I'm Amelia and I'm going to talk
to you about how to remove gum
from hair.*

Application

Synthesizing sign language videos



Acknowledgments



Supported by
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Generalitat
de Catalunya

References

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- [2] Joo, Hanbyul, et al. "Panoptic studio: A massively multiview system for social motion capture." In ICCV 2015.
- [3] Chan, Caroline, et al. "Everybody dance now." In ICCV 2019.