- Generate models:
 - GAN:
 - Learning about GAN: (7) Xây dựng Mạng lưới thần kinh đối nghịch sáng tạo với Tensorflow và Python | Dự án học sâu - YouTube
 - Diffusion models
 - models tend to use a generator only for synthesizing the image and use the perceptual from a pre-trained VGG network to ensure realism.
- 2 Ways to warp:
 - thin-plate-spline:
 - implement: <u>Animate ANY Face From A SINGLE IMAGE (Thin Plate Spline Motion Model) (youtube.com)</u>
 - Source code: yoyo-nb/Thin-Plate-Spline-Motion-Model: [CVPR 2022] Thin-Plate
 Spline Motion Model for Image Animation. (github.com)
 - Paper: <u>arxiv.org/pdf/2203.14367v2</u>
 - Cons: distortion
 - appearance flow: ...
- Modules:
 - Knowledge distillation:
 - Paper: <u>Knowledge Distillation: A Good Teacher Is Patient and Consistent</u> (<u>thecvf.com</u>)
 - Brief: (7) Knowledge Distillation: A Good Teacher is Patient and Consistent -YouTube
 - Tieng Viet (code): Khoa học dữ liệu (phamdinhkhanh.github.io)
 - Segmentation modules
 - Cons: it can some

 □times generate inaccurate or incomplete segments, which can lead to disastrous outcomes