

Topics in ITP: Whatever Generative AI is Doing Now

YouTube Class Playlist

- 🕶 To access manually created transcriptions, click on “Settings,” then “Subtitles/CC” and choose “English”

Workflows Folder

Week 1: Intro to ComfyUI and Stable Diffusion

- Recordings, slides, and notebooks
 - [A lecture I gave recently about my work](#)
 - Week 1 Lecture
 - Slides
 - Recording
 - [How does Stable Diffusion work?](#)
 - [Upload Models to RunComfy](#) (helpful for local installs too!)
 - [Using the ComfyUI Manager to install nodes](#) (example: ComfyUI-N-Sidebar)
 - [An overview of Samplers](#) (Not my video, explains it better than I could 😊)
 - **NEW!** [Running ComfyUI from Google Colab](#)
- Homework
 - **Experiment with different base models.** At the bare minimum I encourage you to try the difference

between SD 1.5 and SDXL, but try other models that are available in RunComfy as well.

- **Experiment with different samplers, steps, and seeds.** Do you find yourself gravitating toward particular set ups?

Week 2: Prompting Strategies, img2img, and training LoRAs

- Recordings, slides, and notebooks
 - [Local extension installations for Week 2](#)
(Unnecessary if you're using RunComfy) (9min)
 - Note: if you're on RunComfy you do need to install the SeargeSDXL nodes—sorry didn't realize I had previously installed it
 - **Week 2 Lecture**
 - [Slides](#)
 - [Recording](#)
 - [How to Find Missing Nodes/Extensions](#) (6min)
 - [Prompting for Diffusion Models](#) (32min)
 - [Words are Images playlist](#) (previous class on text-to-image tools)
 - **NEW!** [Customizing image models \(and why you should use LoRAs\)](#)
 - **LoRA Trainers**
 - [Train a LoRA and Textual Inversion embedding in Eden.art](#) (15min)
 - [Train a LoRA in Civit.ai](#) (19min)
 - [Train a Lora in Dreamlook.ai](#) (10min)
 - [Kohya_SS Training tutorial](#) (Not mine! 30min)
 - [Colab Notebook](#)

- [OneTrainer Massive Tutorial](#) (Not mine! 2+ hours, seriously)
- Workflows made during class:
 - [Week 2 Workflows](#)

Week 3: LoRAs and IPAdapters

- Recordings, slides, and notes
 - **Week 3 Lecture**
 - Slides
 - Recording
 - [Derrick's trained LoRAs folder](#)
 - [How to Upload Checkpoints/Base Models to RunComfy](#) (8min)
 - [How to Upload Eden.art LoRAs to RunComfy/ComfyUI](#) (11min)
 - [Using the new AuraFlow models](#) (Colab or local only, sorry!) (14min)
 - [LatentVision's \(maker of IPAdapter node\) YouTube channel](#)
- Workflows made during class:
 - [Week 3 Workflows](#)

Week 4: ControlNets, SD3 & Flux

- Recordings, slides, and notes
 - [Local extension installations for Week 4](#) (Unnecessary if you're using RunComfy) (5min)
 - **Week 4 Lecture**
 - Slides
 - Recording
 - [Testing Flux in RunComfy](#) (17min)
 - **SOON!** Using AuraFlow in RunComfy
- Workflows made during class:

- [Week 4 Workflows](#)

Week 5: Animation (AnimateDiff)

- Recordings, slides, and notes
 - [Local extension installations for Week 5](#)
(Unnecessary if you're using RunComfy) (5min)
 - **Week 5 Lecture**
 - Slides
 - Recording
 - [Batch Processing Images in ComfyUI](#) (9min)
- Workflows made during class:
 - [RunComfy Pro Workflows](#)
 - [Week 5 Workflows](#)
- Homework
 - **Experiment with creating animations in ComfyUI.**

Week 6: Upscalers, vid2vid

- Recordings, slides, and notes
 - [Local extension installations for Week 6](#)
(Unnecessary if you're using RunComfy) (3min)
 - **Week 6 Lecture**
 - Slides
 - Recording
 - [Insane Tiled Latent Upscaler](#)
- Workflows made during class:
 - [Week 6 Workflows](#)
- Homework
 - **Experiment with different upscalers in your images.**

Week 7: Attention masking, Creating Custom Nodes

- Recordings, slides, and notes
 - **Week 7 Lecture**
 - Slides
 - Recording
 - [ComfyUI Custom Node Docs](#)
 - [ComfyUI custom node tutorial](#)
 - Workflows made during class:
 - [Week 7 Workflows](#)
 - [Workflows made during last week's Q&A](#)