



PULL REQUESTS

NABARUN GOSWAMI

DEPARTMENT OF ADVANCED INTERDISCIPLINARY STUDIES

THE UNIVERSITY OF TOKYO

CREATED PULL REQUESTS



2022-NRI

- Status: Merged
- Key contributions:
 - Made the code device agnostic and controlled by a single command line flag
 - Created minimal conda environment yaml file for GPU enabled devices

The screenshot shows a GitHub pull request interface. At the top, it says "Added GPU support #1" and "Merged" with a checkmark icon. Below that, it states "joshua-shuhan merged 1 commit into media-comp:main from naba89:main on May 1". There are tabs for "Conversation 1", "Commits 1", "Checks 0", and "Files changed 10".

The main content area shows a comment from user "naba89" dated "Apr 28". The comment text is: "GPU support", "created minimal environment-cuda.yml", "Updated README", "Tests are passing", and "Checked all modified files, did a short training run on both CPU and GPU, I think all looks OK". There is a thumbs up icon with the number "1" below the comment.

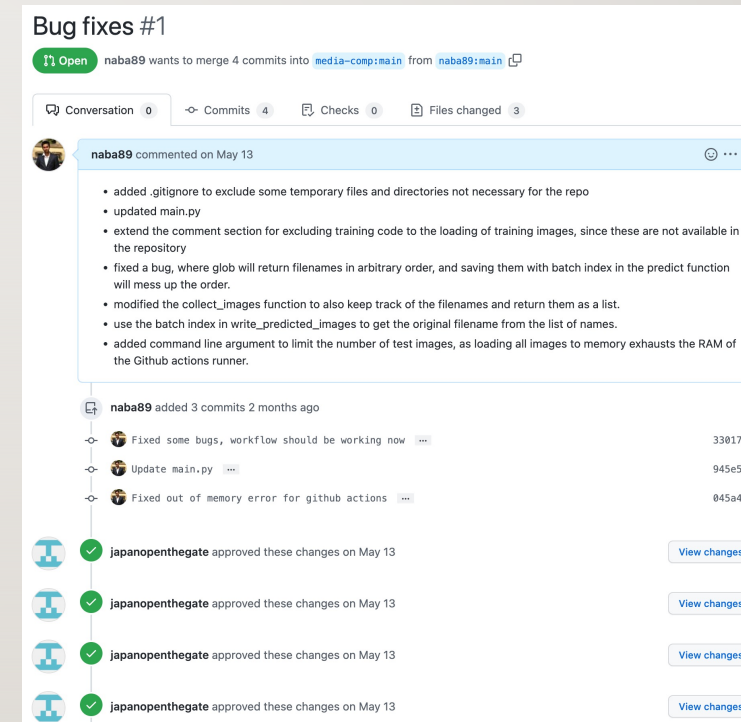
Below the comment is a commit entry: "Added GPU support" with a commit hash "c464ec5".

Below the commit is a comment from user "joshua-shuhan" dated "May 1". The comment text is: "Great pr, thank you!". There is a thumbs up icon with the number "1" below the comment.

At the bottom, it says "joshua-shuhan merged commit b55dc74 into media-comp:main on May 1".

2022-U-NET

- Status: Approved (has conflicts with future PRs)
- Key contributions:
 - Fixed mismatch in input and output filenames due to arbitrary order of file listing function
 - Added support for limiting number of test images to prevent OOMs



The screenshot shows a GitHub pull request titled "Bug fixes #1" by user naba89. The pull request is open and shows 4 commits. The commit history includes:

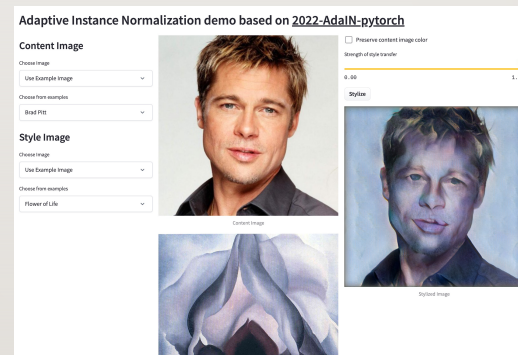
- Fixed some bugs, workflow should be working now (33017d1)
- Update main.py (945e57b)
- Fixed out of memory error for github actions (045a454)

The pull request is approved by japanopenthegate on May 13. The comment section contains the following details:

- added .gitignore to exclude some temporary files and directories not necessary for the repo
- updated main.py
- extend the comment section for excluding training code to the loading of training images, since these are not available in the repository
- fixed a bug, where glob will return filenames in arbitrary order, and saving them with batch index in the predict function will mess up the order.
- modified the collect_images function to also keep track of the filenames and return them as a list.
- use the batch index in write_predicted_images to get the original filename from the list of names.
- added command line argument to limit the number of test images, as loading all images to memory exhausts the RAM of the Github actions runner.

2022-ADAIN-PYTORCH

- Status: Merged
- Key contributions:
 - Created a standalone streamlit app for the repository
 - Hosted the app on huggingface ([link](#))



Added a streamlit app and also created a huggingface space #6

Merged falseu merged 6 commits into `media-comp:main` from `naba89:main` on May 18

Conversation 3 → Commits 6 Checks 0 Files changed 12

naba89 commented on May 13 · edited

Partial implementation of #4 . Currently only single image style transfer supported (1 content and 1 style image at a time)
Created a Streamlit app for style transfer. Designed the app to be self contained, so that it can be directly uploaded to Huggingface space. Hence all necessary code for the app has been copied to this directory.

- Supports preserving color of content image (checkbox)
- Support changing alpha (slider)
- Downloads the models (vgg and decoder) from the google drive link
- Updated README
- Uploaded the contents of streamlit_app directory to the Huggingface space [link](#)
- Added a generic python .gitignore
- Added streamlit app test to workflows
- Updated README

naba89 added 6 commits 2 months ago

- Update .gitignore 4cb636c
- Added Streamlit App bc7e8ce
- Update main.yml b685681
- Update main.yml 14651bf
- Update requirements.txt b32b92f
- Update main.yml cc4a75b

falseu commented on May 18

LGTM. Merged

2022-ADAIN-PYTORCH

- Status: Merged
- Key contributions:
 - As pointed out by the repo owner, and based on discussion in the previous PR, fixed color glitches caused by image saving mechanism.

The screenshot displays a GitHub pull request interface. At the top, a comment from 'falseu' dated May 18 states: "Hi Naba. Thank you for the impressive work. The app works smoothly on my local machine and the website. I noticed a glitch in the output image caused by torchvision.transforms.ToPILImage() which converts the float tensor to uint8 image. I tested three methods of this conversion." Below this, three image thumbnails are shown side-by-side, each representing a different conversion method. The first is labeled "Using torchvision.transforms.ToPILImage()", the second "Using cv2.normalize()", and the third "Using cv2.normalize()". The second and third images appear identical and free of color artifacts, while the first shows some blueish tinting. Below the images, a code block shows the manual conversion methods used for testing. A comment from 'naba89' dated May 18 says: "Pixel values are slightly different in the outputs of the three methods, but the last two methods do not produce glitch. Could you test this and solve the glitch in streamlit app? Thank you." The pull request title is "Fixed color glitches due to conversion from float to int #7" and it is marked as "Merged". The commit history shows two commits from 'naba89' and a merge commit from 'falseu'.

falseu commented on May 18

Using torchvision.utils.save_image()

Using cv2.normalize()

Using torchvision.transforms.ToPILImage()

Using cv2.normalize()

Pixel values are slightly different in the outputs of the three methods, but the last two methods do not produce glitch. Could you test this and solve the glitch in streamlit app? Thank you.

Fixed color glitches due to conversion from float to int #7

Merged falseu merged 2 commits into media-comp:main from naba89:main on May 18

Conversation 0 Commits 2 Checks 0 Files changed 2

naba89 commented on May 18

- Used torchvision.utils.save_image instead of ToPILImage
- Also made the previous stylized image visible while processing with new parameters

naba89 and others added 2 commits last month

- Removed color glitches
- Merge branch 'media-comp:main' into main

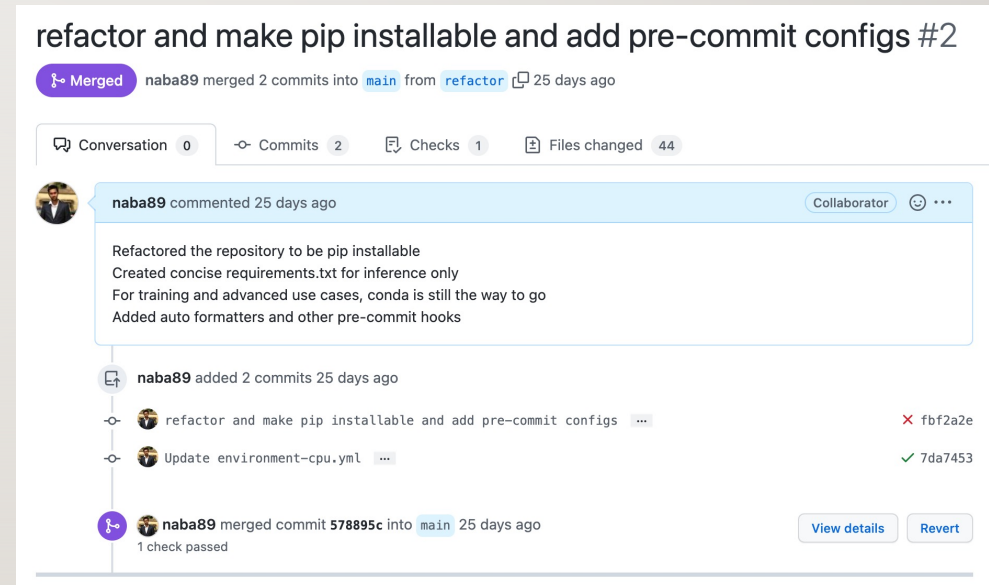
falseu merged commit 97d6086 into media-comp:main on May 18

RECEIVED PULL REQUESTS



2022-ISEPARATE

- Created own PR
- Status: Merged
- Key contributions:
 - Made iSeparate pip installable
 - Created conda-free requirements file for inference only
 - Added pre-commit hooks for code formatting and standardization (black, flake8, isort, etc.)



The screenshot shows a GitHub pull request interface. At the top, the title is "refactor and make pip installable and add pre-commit configs #2". Below the title, it indicates the pull request is "Merged" and was created by "naba89" 25 days ago. The interface shows a summary of the pull request with statistics: 0 conversations, 2 commits, 1 check, and 44 files changed. A comment from "naba89" (a collaborator) is visible, stating: "Refactored the repository to be pip installable", "Created concise requirements.txt for inference only", "For training and advanced use cases, conda is still the way to go", and "Added auto formatters and other pre-commit hooks". Below the comment, a list of commits is shown: "naba89 added 2 commits 25 days ago", "refactor and make pip installable and add pre-commit configs" (commit hash fb2a2e), and "Update environment-cpu.yml" (commit hash 7da7453). At the bottom, it shows "naba89 merged commit 578895c into main" 25 days ago, with "1 check passed". Buttons for "View details" and "Revert" are visible.

THANK YOU!

