

Tomato Fired Eggs

Team Information

Zifei Ren(Queens College | Major in Computer Science
| Expected Graduate on May 2021)

Roles:

Project Developer

Project Tester

Lin Chen(Queens College | Major in Computer Science
| Expected Graduate on Dec 2020)

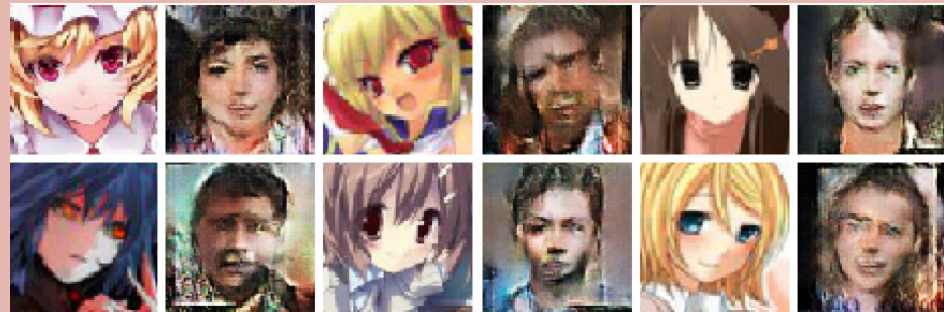
Roles:

Project Developer

Document Writer

What does the project do?

Input the picture A and then convert to a picture with another style by doing the style conversion.



What functions are we particularly proud of?

- Trained out the pictures that look realistic and match the original picture, as well as the comic style which based on the original real person pictures.
- Have a well built training model.

How can this project benefit others?

- It can achieve the different styles of conversion by training the different dataset.

Design strategy/technologies

- Model: CycleGAN
- Visualization type: image visualization

Challenge as a team

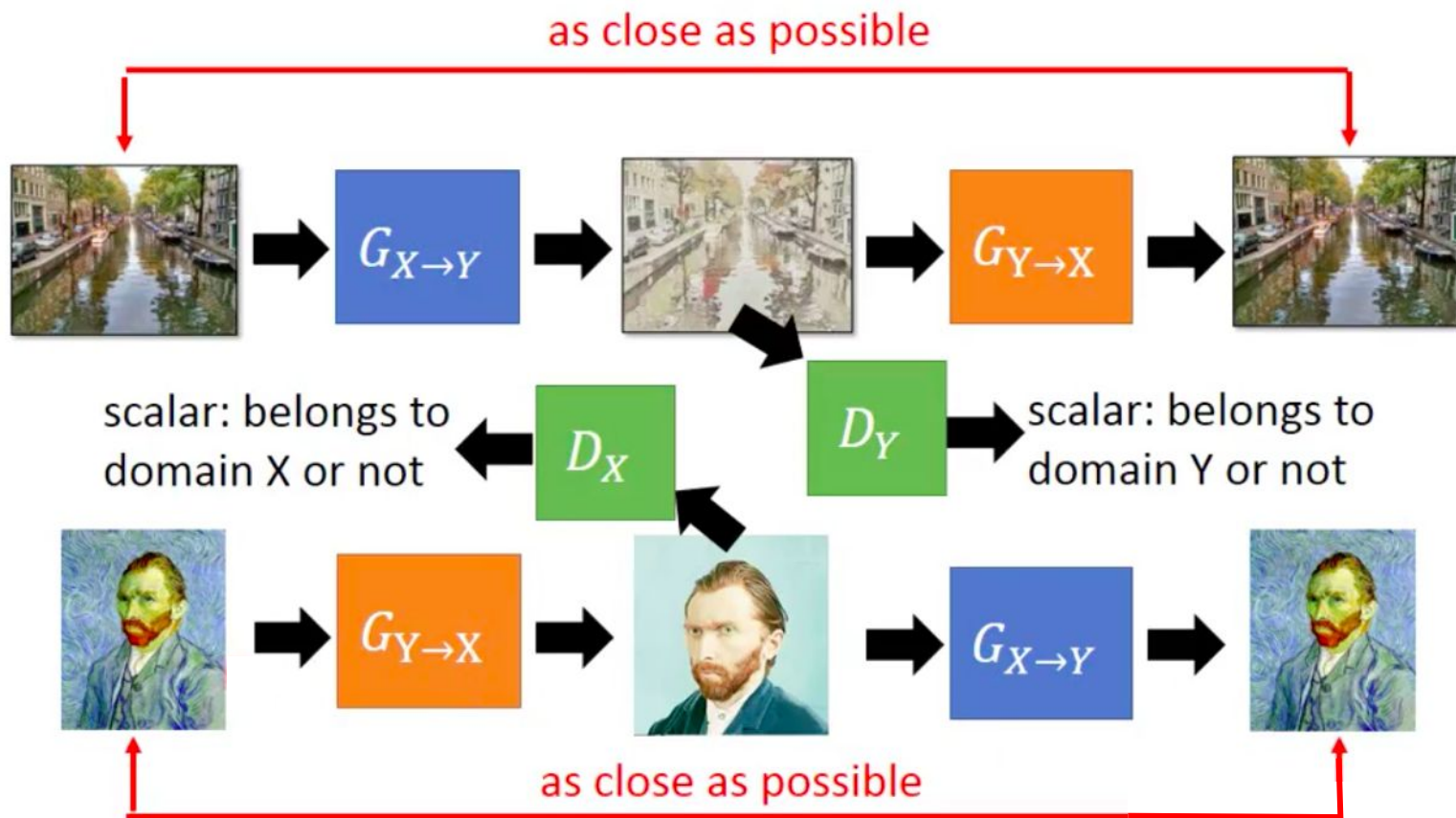
- Challenge on choosing the appropriate technology to achieve our goal.
- We have tried other models before, but we're not satisfy the outcome.
- The training time of our code is relatively long, it caused the inefficiency of our development process.

Cycle GAN

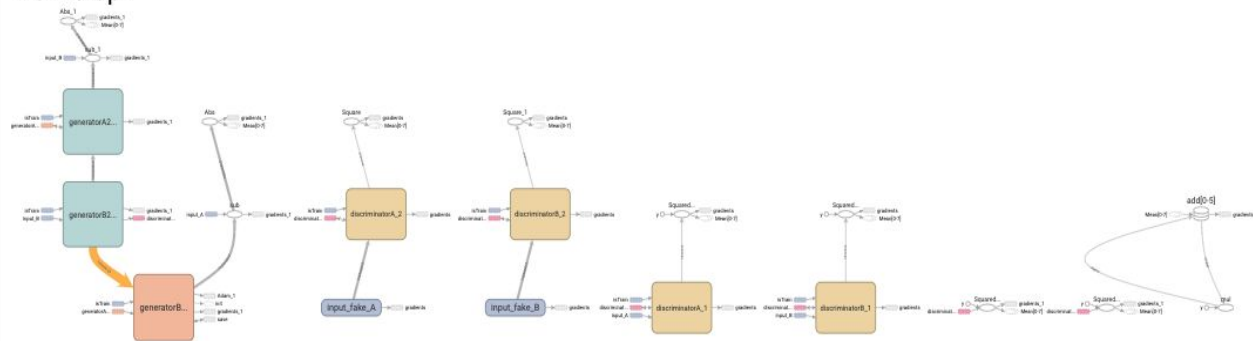
Domain X



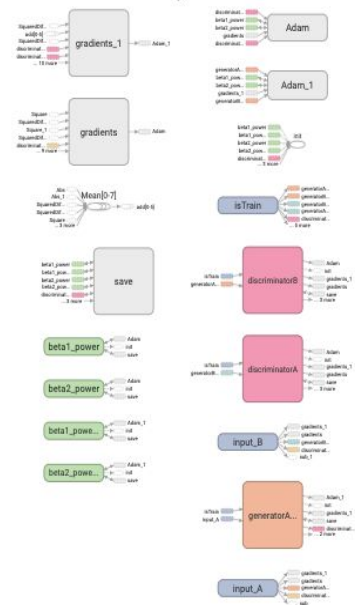
Domain Y



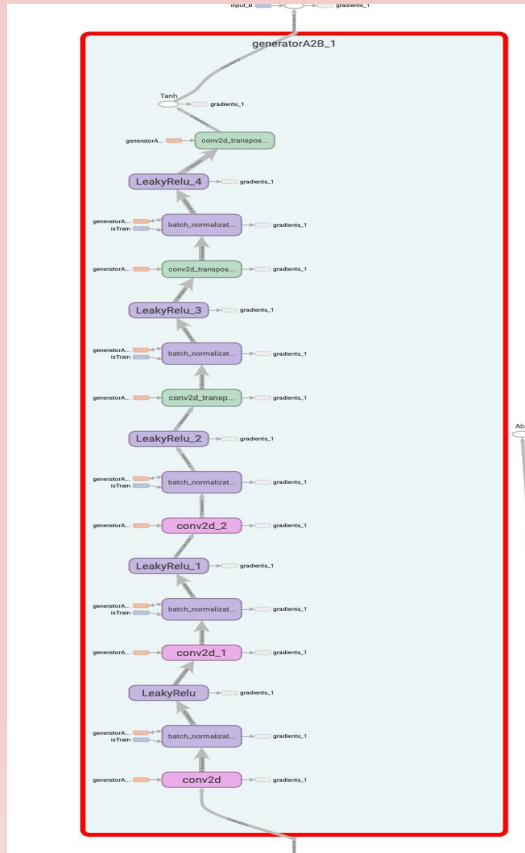
Main Graph



Auxiliary Nodes



Generator



Discriminator

