

Super-Awesome Super-Resolution

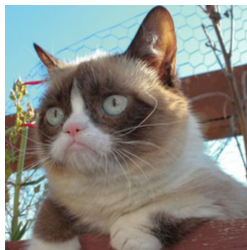
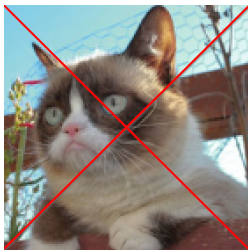
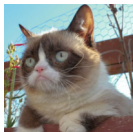
Applied Deep Learning

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Initiate

Improve existing super resolution generative adversarial network.



Hacking

- Collect all the data.
- Succeeded CPU training.
- Failed CUDA.
- Failed improving.
- Failed transforming checkpoint model to tensorflow.js.

Delivery

- Reused existing SR GAN.
- Implemented client/server app with Flask.
- Demo

Take-aways

- Get an idea how GANs work.
- Can be hard to setup CUDA support (on Azure VM).
- PIP: need a new version to have access to Tensorflow2.
- Creating docker images is a tedious task.
- Use Flask for development environment only.
- Use early stopping.

Thank you for your attention!

Awesome Super-Resolution

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Upscale

