REU Update 3

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Week in Review

- Cluster!
  - Got setup with an account
  - Downloaded ImageNet
  - Installed need software
  - Began running/debugging code on the GPU
- SRGAN/SRResNet:
  - Finished SRResNet implementation and tweaked SRGAN to make it closer to the paper
  - Runs well on a small dataset locally, currently working on debugging issues w/ the ImageNet dataset and running on the GPU
  - Developing test suite to evaluate PSNR on BSD100, Set5, Set14, Urban100



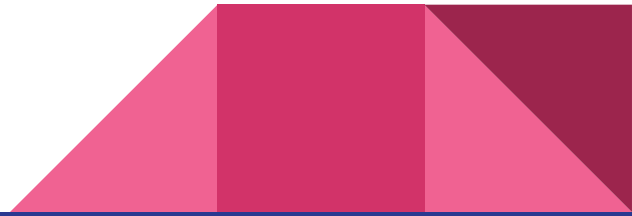
Where Are We Now?

- Good baseline implementations
- Should be able to train on the full ImageNet dataset soon
- Cluster issues have largely been solved, hopefully smooth sailing when using it from here on out



Plan for the Next Week

- Finish developing evaluation suite for models
- Train 2 variants of SRResNet and if time allows 2 variants of SRGAN on the cluster
- Begin thinking of possible improvements to these models/alternative models



Thank you! Questions?