



- GANs are cutting-edge AI technology
- GANs create a generative model through adversarial training
- A high barrier to development for non-expert programmers

Create an accessible GAN package Make readable documentation about the package \bullet

| Features | Without Our Package | |
|-----------------|------------------------|--|
| Training | 30+ Lines of code | |
| Evaluating | 5 Lines of code | |
| Saving | 50+ Lines of code | |

Building a Customizable GAN Package Tool in Python Ryan Astor, Kyle Costello, Joshua DeOliveira, Alek Lewis

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Project Goals

- Streamline the process of building and training GANs
- Give users an intuitive interface for using and saving their GANs
- Enable users to build more advanced GANs
- Create intuitive documentation with a helpful tutorial
- Test package tutorial to ensure it is easy to understand
- Publish the package as an open-source project in Python

Accomplishments

| With Our Package | Wasserstein Image: Contract of the second |
|----------------------|--|
| gan.train(7000, 16) | Simple Tra Controllable |
| gan.eval_generator() | Storage |
| gan.soft_save() | |







User Study Design



We received IRB Approval: IRB-22-0367

User Study Results