

Image Upscaling Tool

Team 2X

Saito Steven J., Sekhon Avneet, Soava Peter, Zu Gangyi

Main Goal: To create an app that can upscale an image from a lower resolution to a higher one smoothly.

Execution: To make this possible we will be using the tool waifu2x, which uses machine learning to upscale images.

<https://github.com/nagadomi/waifu2x>

a small noisy image



Your image viewer



waifu2x



waifu2x runs on lua, so it will not directly work with Java, however, it is a command line application. If we create a GUI in Java for altering settings, we can then write the commands we want to enter in a console based on those settings.

Version Control: We will be using GitHub to manage different versions of our app.

Stretch Goals (to be accomplished in order):

Run waifu2x through Java

Create a robust GUI that can allow the user to modify any of the settings waifu2x has without the user inputting anything into a console.

Possible Extra Goals (in case we have time for more features):

Mutli-OS support (macOS, Linux)

Touch Support (Windows Touch Screens)