

## Today's Topics

1. DSLR, Mirrorless Camera benefit
2. 사진 보정 이유
3. 사진 보정 Program
4. 보정



RAW file

TIFF file

Photoshop file

JPG file

## Program Option

1. [Adobe Photoshop Express](#)
2. [GIMP](#)
3. [Paint .NET](#)
4. [Pixlr](#)
5. [Pixlr X](#)
6. [PhotoScape X](#)
7. [Fotor](#)
8. [Photos Pos Pro](#)
9. [InPixio](#)
10. [BeFunky](#)

## 사진 보정 이유

1. 노출을 조절한다.
2. 색상을 조절한다
3. 구도를 조절한다
4. 필요없는부분을 제거한다.
5. 주름과 얼굴톤을 조절한다.
6. 하늘을 바꿔준다
7. 다른 이미지를 추가한다
8. Focus stacking
9. Exposure bracketing

## 보정 프로그램

1. Photoshop
2. Lightroom
3. Luminar Neo
4. Evoto
5. Web based AI program

### Photoshop

제일 많이 쓰는 사진 전문 보정 프로그램이지만 사용하기에 힘들다.

### Lightroom

간단하면서 쓰기 편하고 파일을 저장하기 쉽게하는 기능이 포함됐다.

### Luminar Neo

저렴한 가격으로 일반적으로 쓰기 쉽도록 만들어진 프로그램이다.

### Web based AI program

쓸때마다 서버에 연결해서 동작돼니 저렴하지만 굉장히 느리고 불편하다.

## DSLR / Mirrorless camera benefit

Bigger pixel size, Bigger CCD sensor size, Bigger lens size, 조리개 기능 추가

## Photoshop benefit

Maintain Maximum quality,

Adjust Colour, Contrast, Brightness, Composition, partially, fully, automatically



Use google or chat GPT for further information

### RAW file adjustment, JPG file creation

Shift + Control + A, Adjust image

### Use Lasso tool

Select > Modify > Feather

### Remove / Replace object by AI

Use Lasso tool > Click right button > Generative tool

### Sky replacement

Edit > Sky replacement

## Printing 준비

Requires colour Crop, Resolution adjustment

## Focus stack

Open multiple images

Copy each image create multiple layers

Edit > Auto align layers

Edit > Auto Blend Layer > Stack images (optionally) turn off Content aware fill Transparent areas

In **Lightroom**, Select all images, Right click, Edit in > Open as Layer in Photoshop

## Exposure bracketing

File > Automate > Merge to HDR pro, Select files

In **Lightroom**, Import all images, Select all images

Photo > Photo merge > HDR Merge

## Liquify image

Shift+Ctrl+X

## Pixel Shift Image

File > Script > Load file into stack

Image size > target Double the pixel (Preserve Detail 2.0)

Select all Layers

Edit > Auto Align layer

Change Opacity to

6%, 12%, 18%, 24%, 30%, 36%, 42%, 48%, 54%, 60%, 66%, 72%, 79%, 86%, 93%, 100%

Select all layers, Right click > Flatten Images

File > Export > JPG

## Night Scene manipulation

Filter > Camera Raw

Light > Contrast, Highlight, White =+10 Effect > Texture, Clarity=+10 Color > Vivrance, Saturation=+10

Light > Shadow, Black: -10, Effect > Vignette, Dehaze

Color Mixer > Saturation Red, Orange, Yellow = +10

## Face soft

Control + J to add 3 Layers

Rename High Pass, Gaussian Blur, Edit, Background

View Gaussian Blur, Background layer

Select Gaussian Blur layer

Filter > Blur > Gaussian Blur 40 pixels

View High Pass, Gaussian blur, Background layers

Select High pass layer

Filter > Other > High Pass 4 pixels

Layer option to Vivid Light

Select High Pass + Gaussian blur then group them by Control + G

Rename layer to Skin

While press Alt, select Add layer mask

Brush tool Opacity 40%, Colour picker White to Black

<Second method>

Filter > Neural Filter, Mask layer correction = Opacity, Flow to 30%, Mouse right click=Hardness 0%

## Macro Filtering

Photoshop: Window \ Actions

Face, Open, Retouch4me Heal, Retouch4me Heal, Retouch4me Dodge Burn , Save, Close

File \ Automate \ Batch

## Shortcut command

Free Transform: Control + T

New Layer via Copy: Control + J

Zoom In: Control + + Zoom Out: Control + -

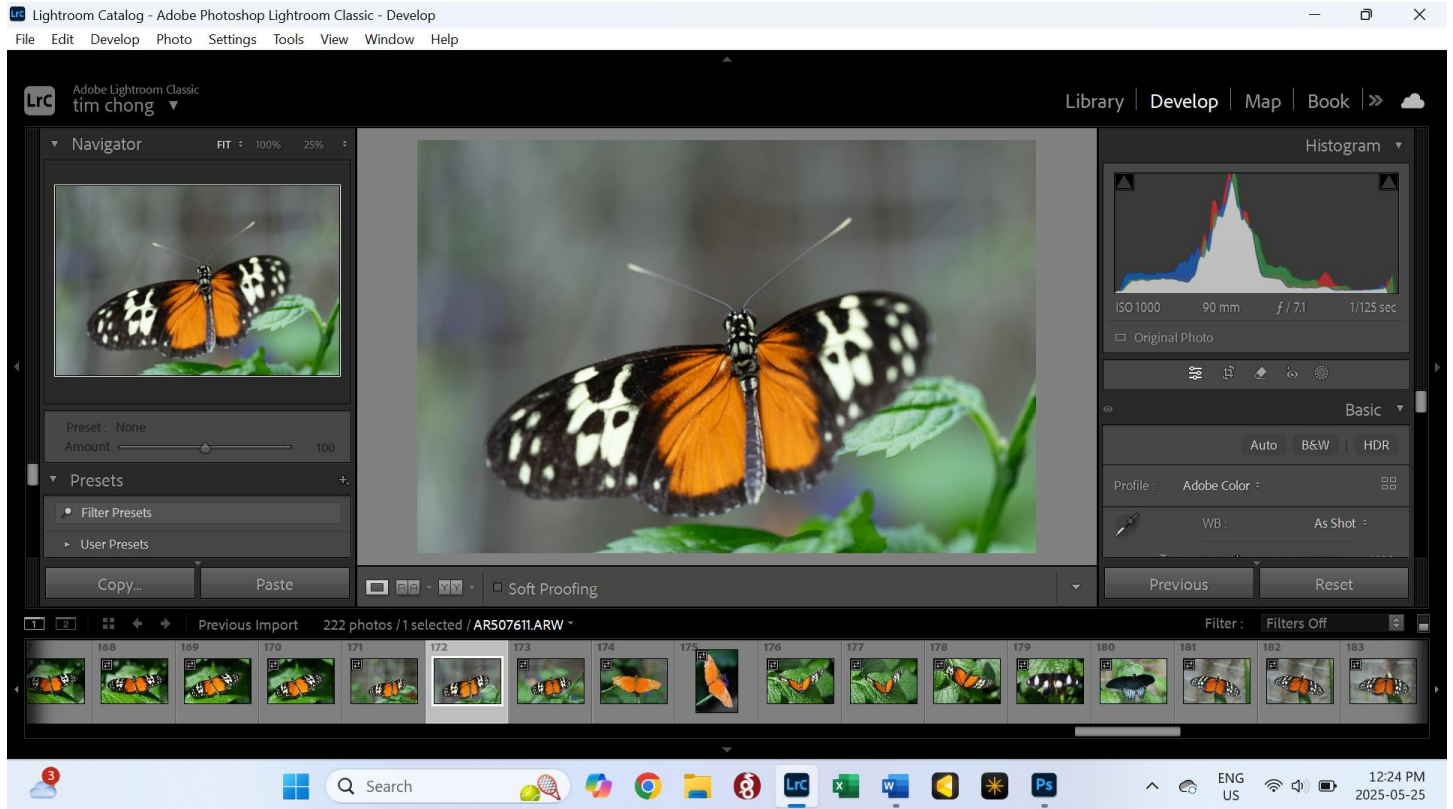
Increase Brush size: ] Decrease brush size: [

Undo last action: Control + Z

Open Curve dialog box: Control + M Negative convert: Control + Alt + N

90 degree turn: Control + ]

# Lightroom



# Luminar Neo

