SkinCheck
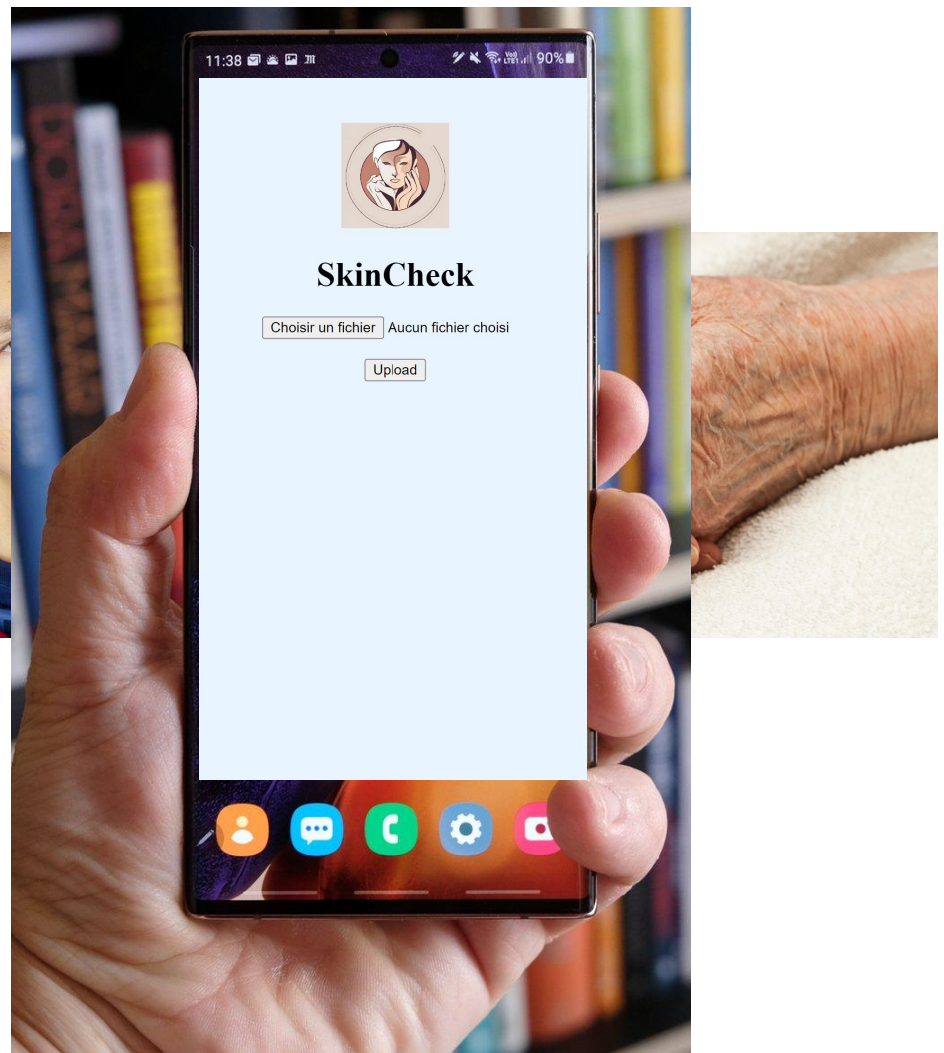
Trust does not preclude control
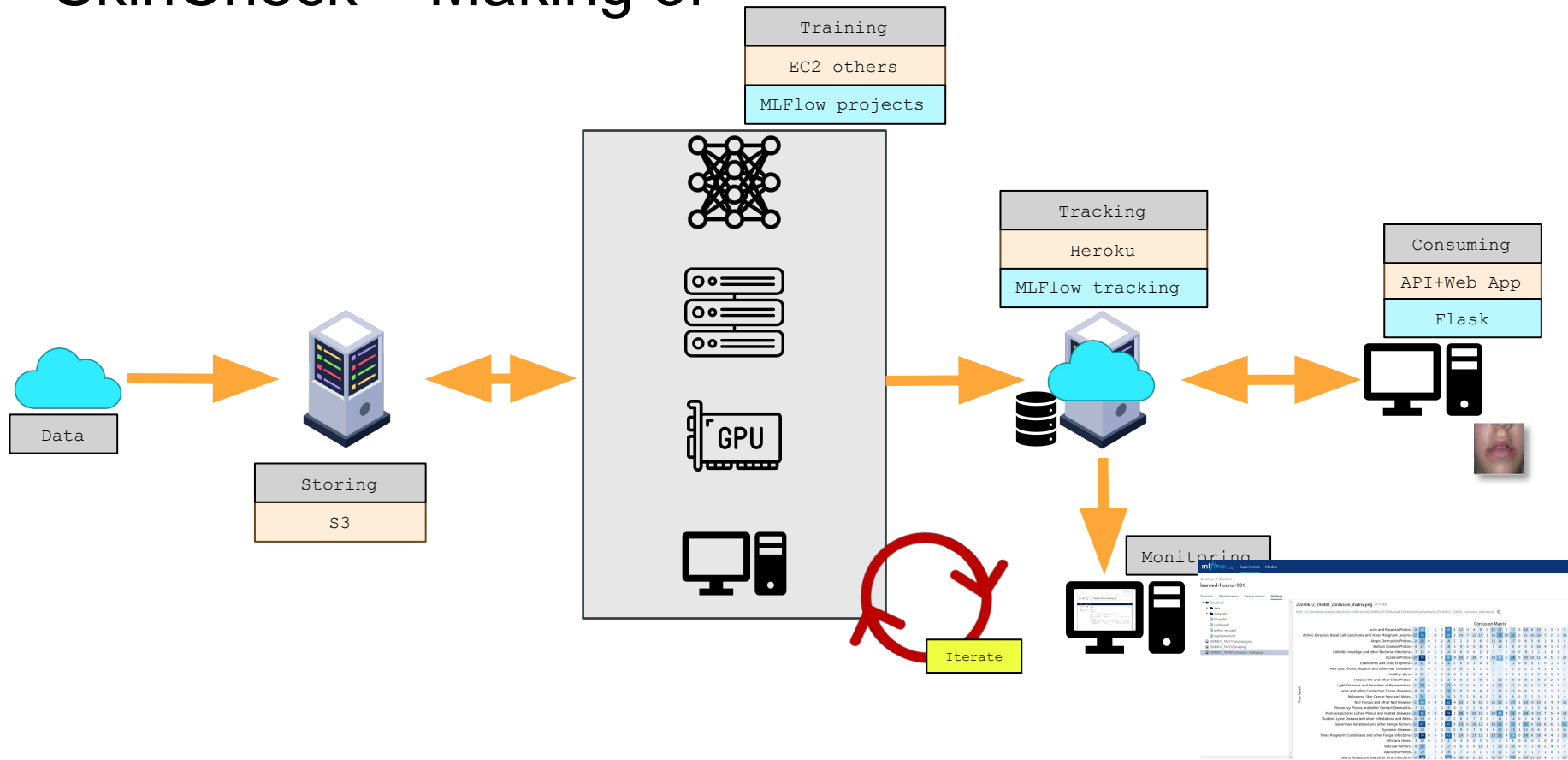
SkinCheck – Use case
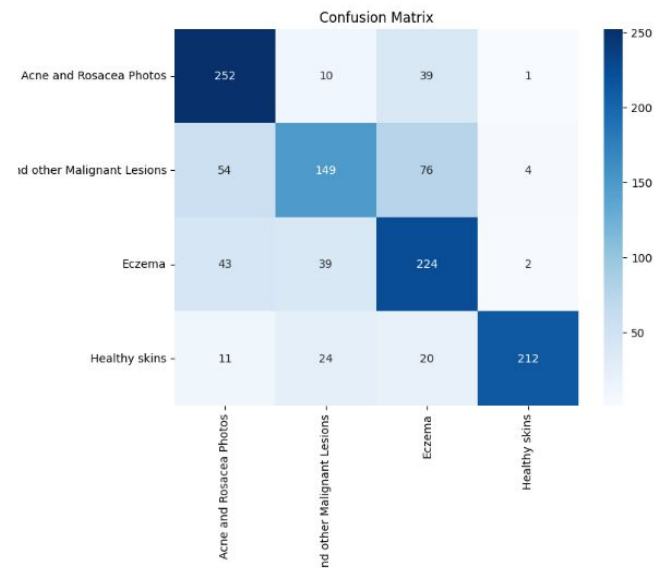
SkinCheck – Making of

SkinCheck - Dataset

- 20 000 labeled images
- 19 500 / 500 (sick/healthy)
- 24 categories (as today)

- Watermark
- Cleaning (out of scope)
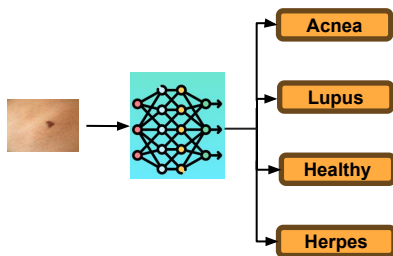- TO DO : tatoo, ethnies

SkinCheck – Custom model

- Multi classes classification (4)
- Convolutional Neural Network
- From bad to good
- Lack of time & resources

Confusion Matrix

Training and val loss

Training loss
Validation loss

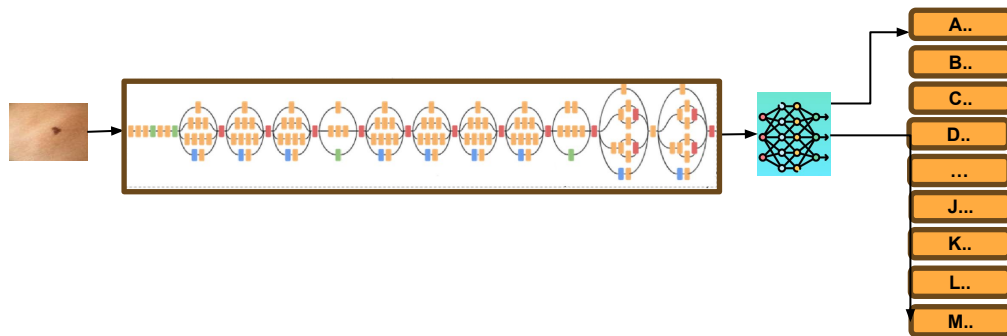Training

Training loss
Validation loss

SkinCheck – Transfer Learning

- Capitalize on trained and robust models
- Considerable time & costs savings
- Can be unplugged as the technology evolve
- Possibility to scale as needed

SkinCheck model (3 pathologies)

INCEPTIONV3 model (24+ pathologies)

SkinCheck - Perspectives

- The need exists, the market is large

- Increase the dataset
- Improve the SkinCheck IA
- Create a mobile app

- The best time to invest

Any questions?

Dominique OURMIAH – Dataset & Model

Patrice SINNAH – Transfer Learning

Philippe BAUCOUR - Architecture

Quentin VILCOQUE – App & API

SkinCheck

Choisir un fichier | Aucun fichier choisi

Upload