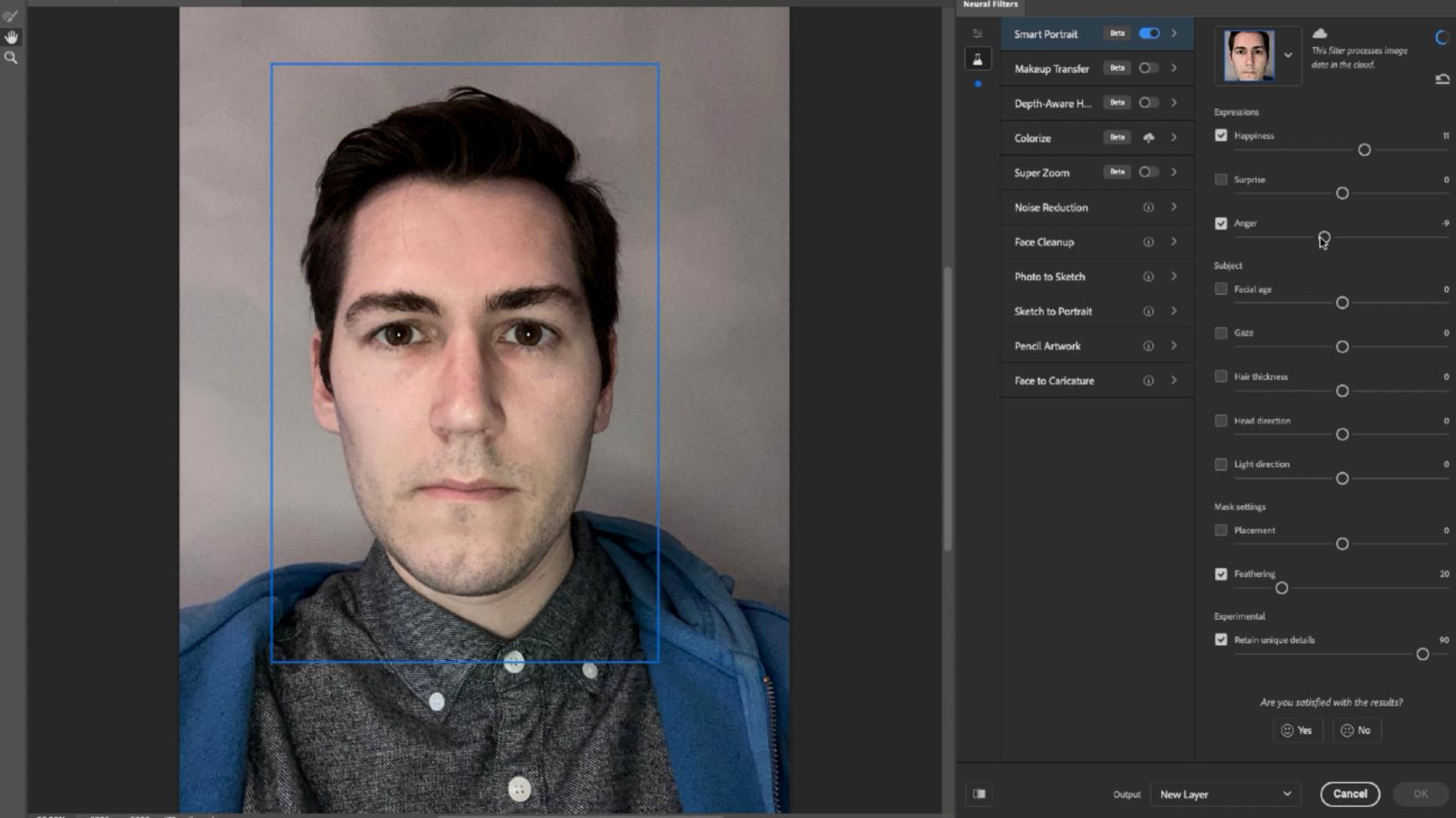
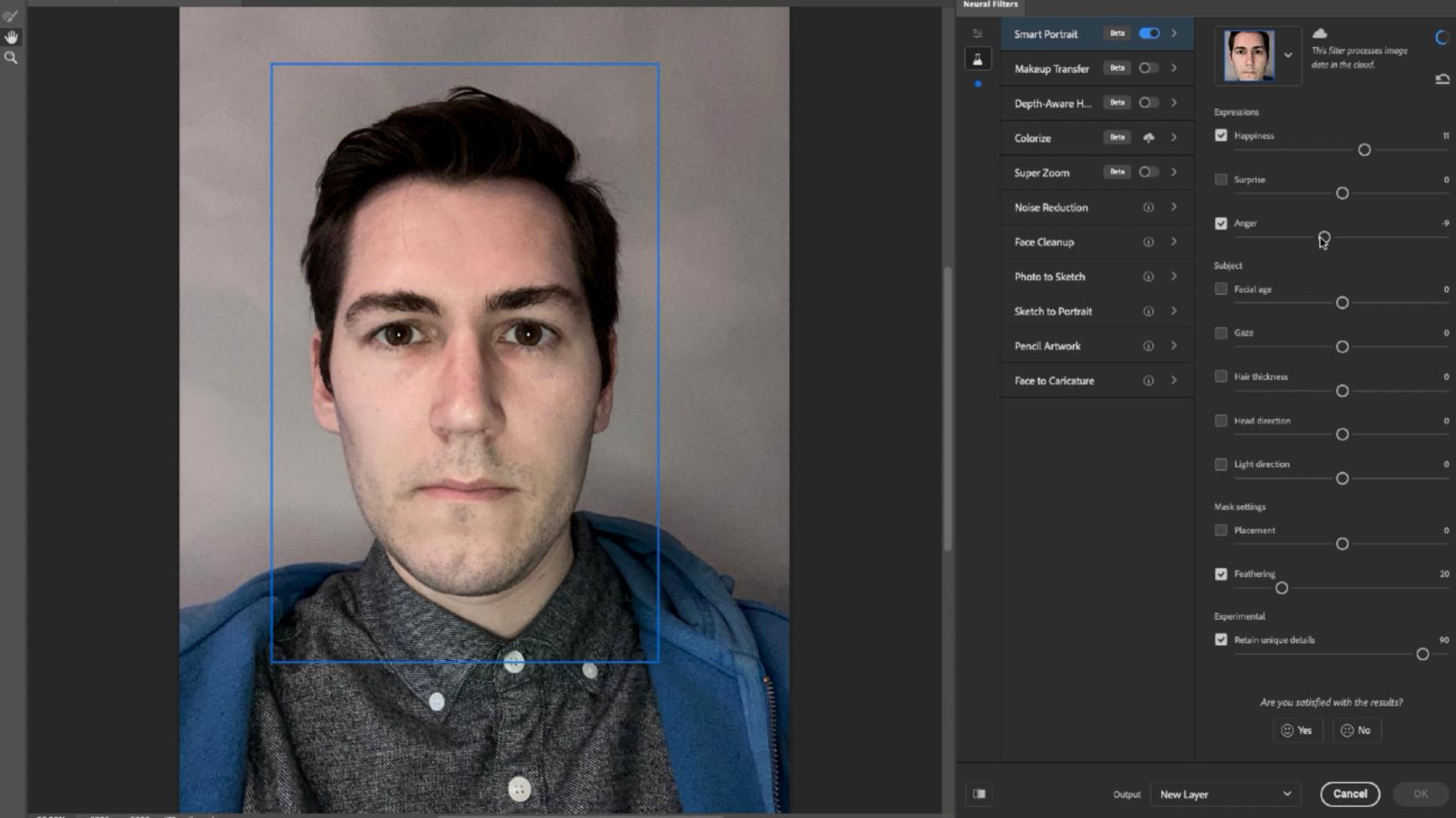
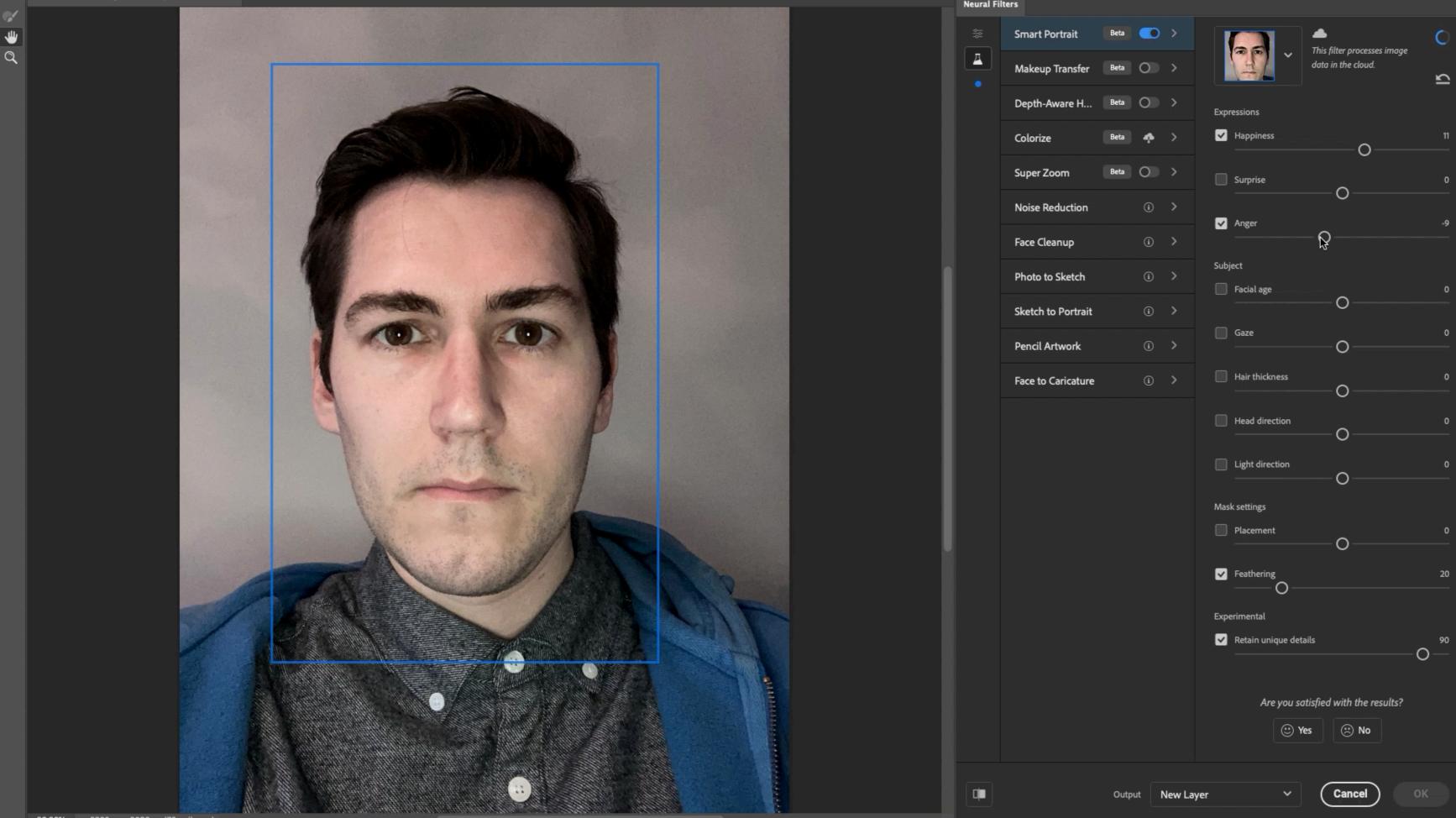


## Al Goes Mainstream

#### Neural Filters in Photoshop: Expression Change

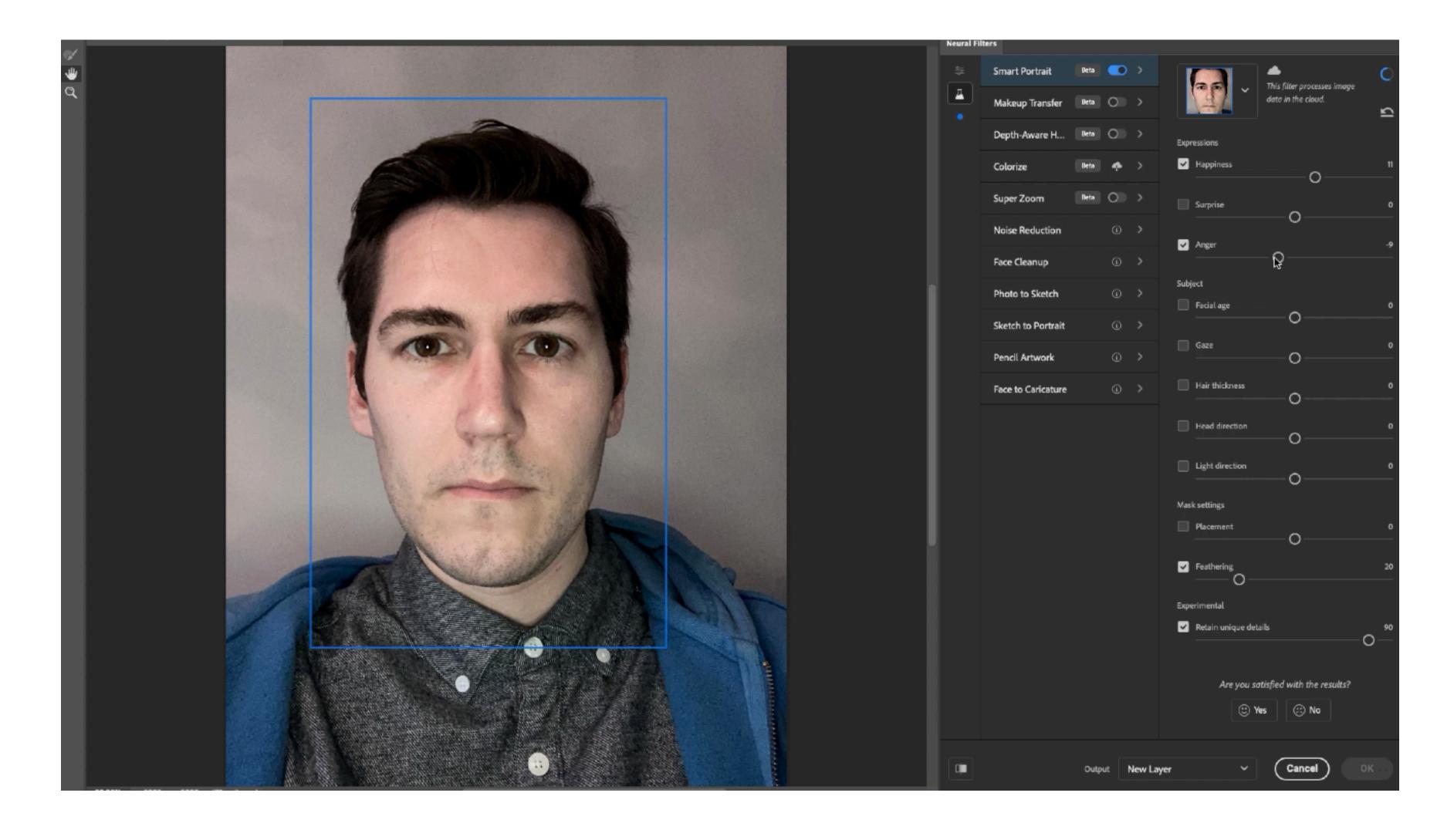






## Al Goes Mainstream

#### Neural Filters in Photoshop: Expression Change







# Computer Vision

#### **AutoDraw and Neural Filters**

- AutoDraw uses image recognition
  - Learned to recognize my whale because it had seen many human-drawn sketches of whales
- Wix ADI uses predictive models combined with natural language processing and good old fashioned programming
- Photoshop Neural Filters are made possible by StyleGan2 ADA
  - StyleGan2 is a generative adversarial network (GAN) made by Nvidia
  - As the name suggests, StyleGan2 is good for manipulating image styles



