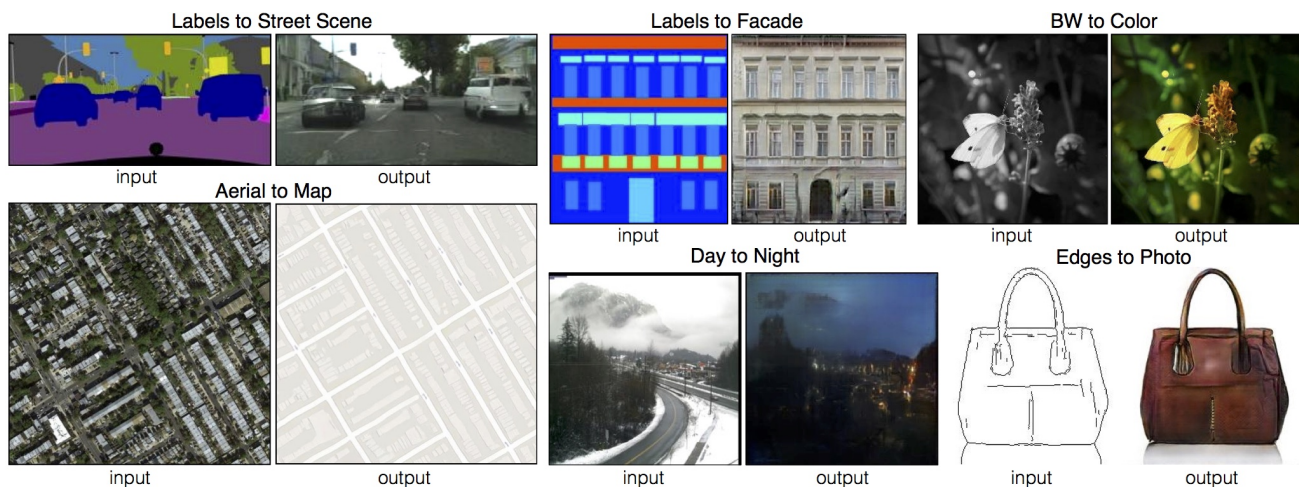## Generative Adversarial Networks

Generative adversarial networks (GANs) are one of the newest and most exciting deep learning architectures, showing incredible capacity for understanding real-world data. The networks can be used for generating images such as the CycleGAN project.

The inventor of GANs, Ian Goodfellow, will show you how GANs work and how to implement them. You'll also learn about semi-supervised learning, a technique for training classifiers with data mostly missing labels.

In the **fourth project,** you'll use a deep convolutional GAN to generate completely new images of human faces.