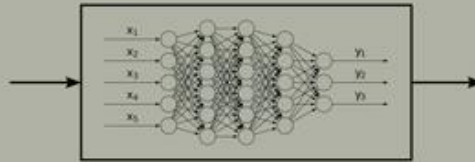
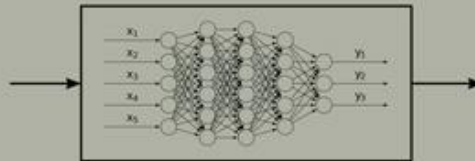
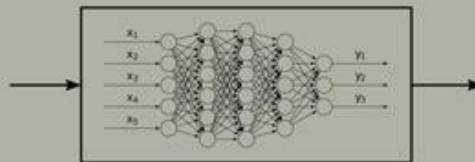


AUTOMATIC DETECTION OF SOLAR PANELS IN SATELLITE IMAGERY

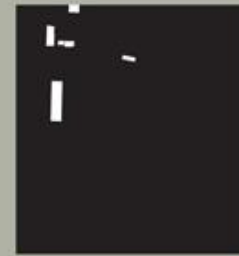
Satellite Image



Neural Network



Solar Panel Mask



BRENDA SO EE'18 | **CORY NEZIN** EE'18 | ADVISOR: PROF. CHRIS CURRO

We've worked towards automatically locating solar panels in high-resolution satellite imagery with convolutional neural networks. We utilized the Tensorflow library to implement our model. The design of the network is derived from Densenet, a state of the art convolutional neural network architecture developed by Cornell University. This technology can be used in remote sensing applications such as determining locations of solar panels in sparse areas as well as for various military applications.

WORK SPACE **SHOWCASE**

THE COOPER UNION ANNUAL STUDENT EXHIBITION
ACADEMIC YEAR 16/17