right whales are endangered and in decline

NOAA conducts aerial surveys to monitor whales

Photos are matched to New England Aquarium catalog

data scientists from around the world competed

We hosted a competition to automate photo id

Sometimes photo identification is time consuming

1st place winner matched individuals 87% correct

Solution based on deep learning algorithms

Algorithms are open source on GitHub

Partnering with WildMe to develop online platform

Collaborating with southern right whale catalogs

Finally got the funding to create the software!