

WE ARE
PILLARS OF
CREATION

"ON THE SHOULDERS OF GIANTS" CHALLENGE

1/ WHO

MEET THE TEAM



Almudena

UX/UI



Jose Luis

STRATEGIST



Iñaki

DATA SCIENTIST



Rosa

CREATIVE



Juan

SPACE EXPERT

THE PROBLEM

Hubble currently generates
1.2 GB of data every hour
that needs to be examined
and classified.

Source: NASA

This is just one of
many telescope satellites
that will be orbiting the earth

We need computing TIME...

Source: NASA



GALAXY QUEST

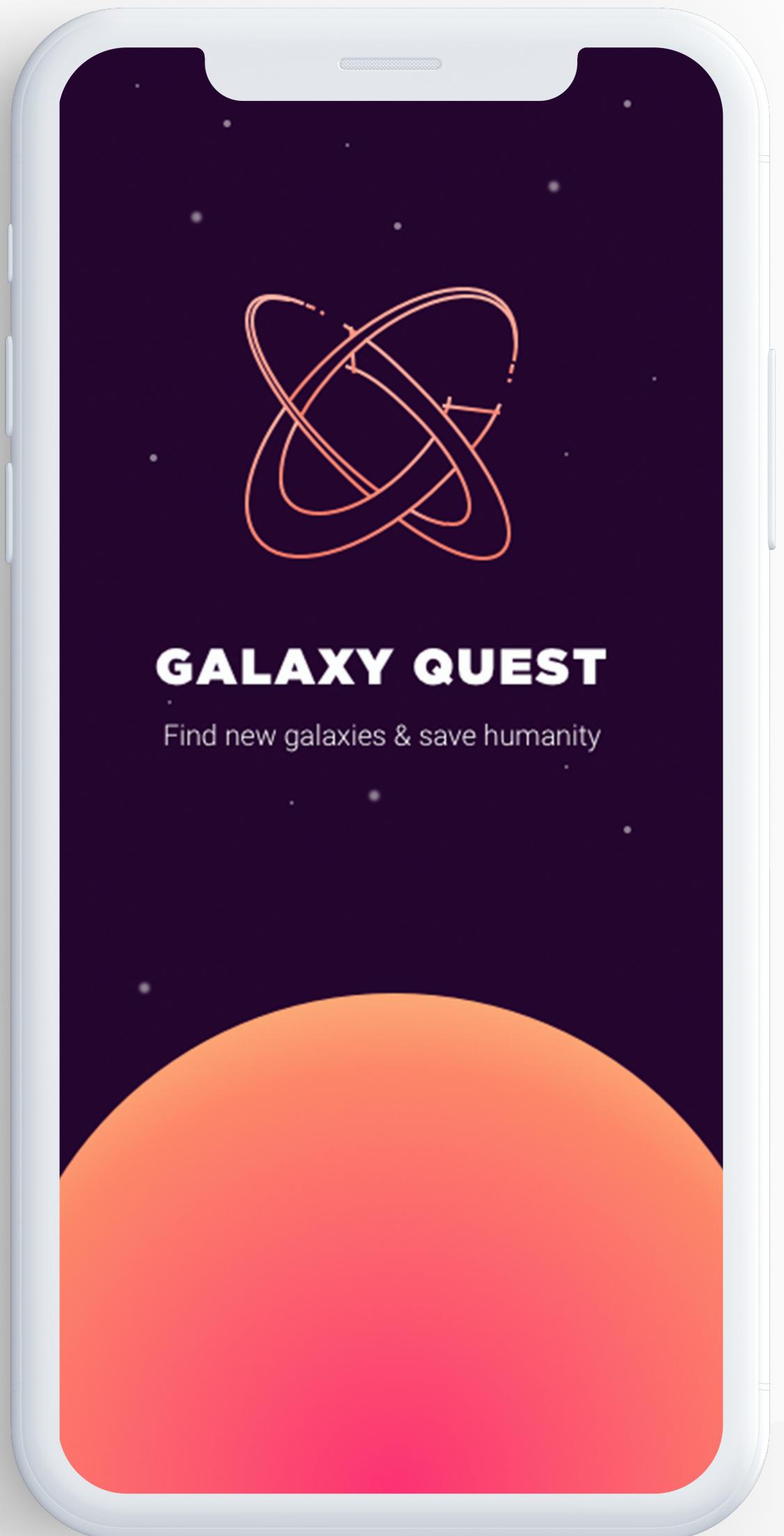
Find new galaxies & save humanity

3/ WHAT

THE SOLUTION

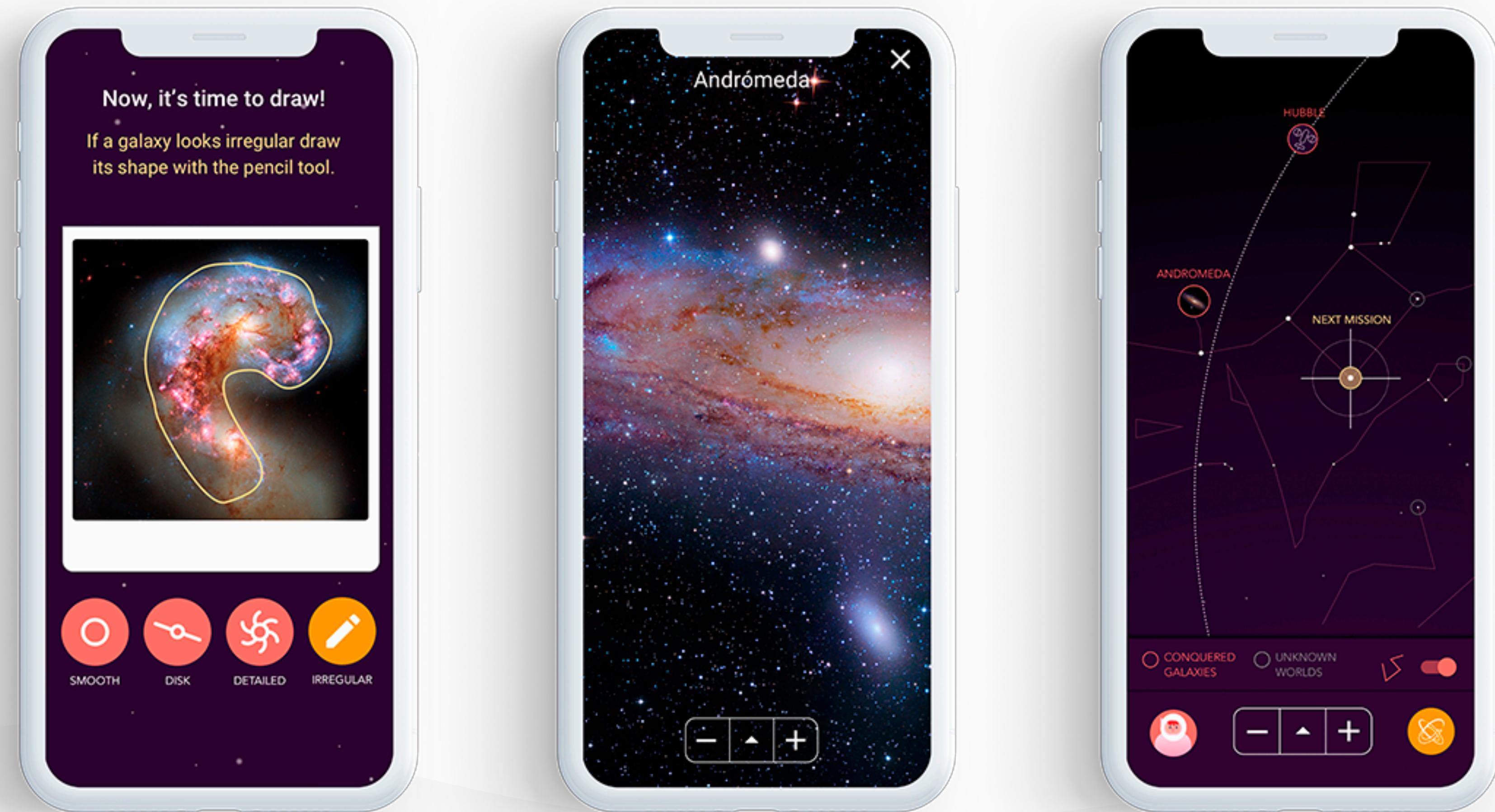
addictive game + citizen science

- Help process and identify elements that require human eye for classification
- Help train a deep neural network for future automation



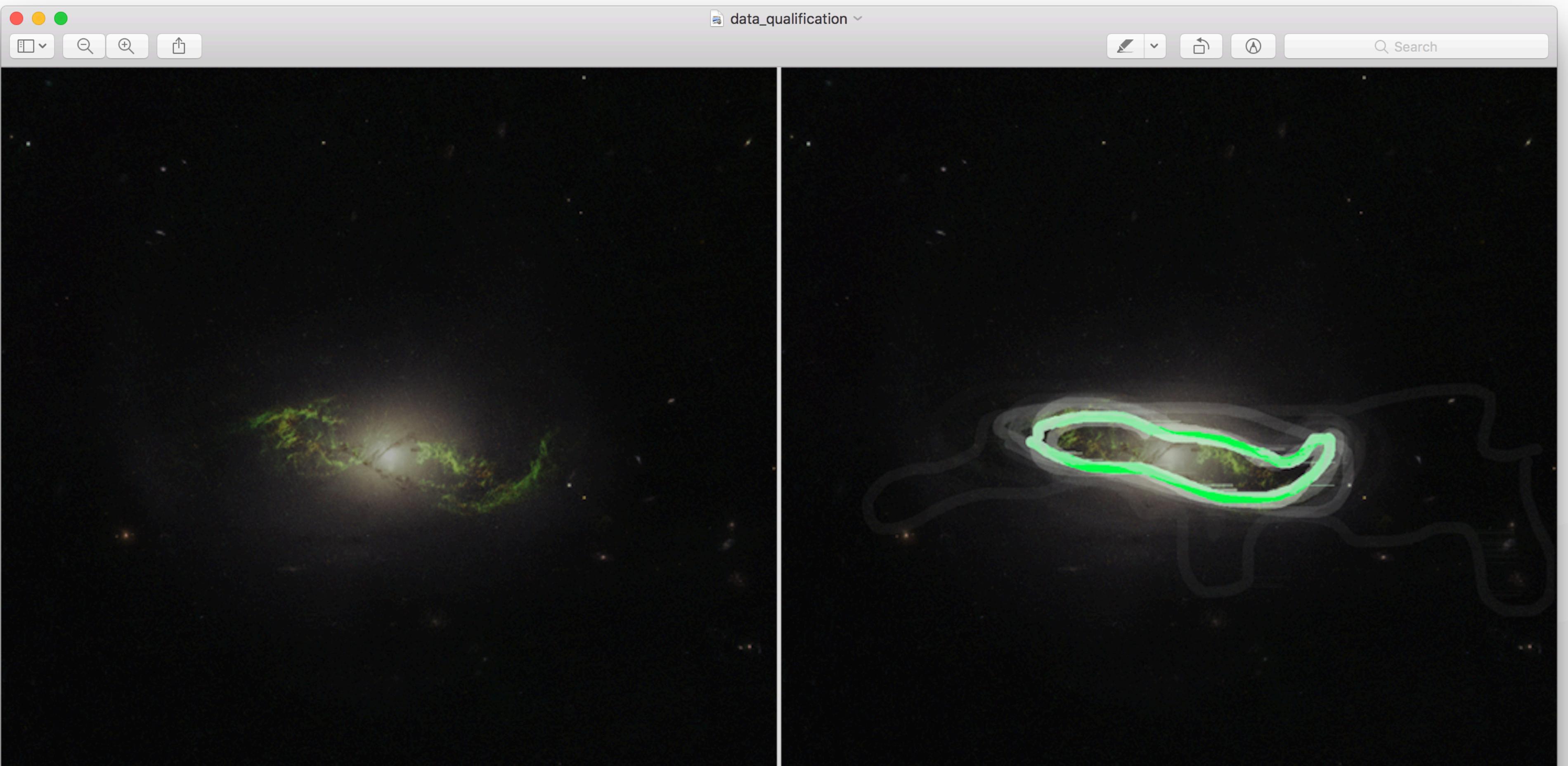
3/ WHAT

THE SOLUTION



3 / WHAT

HOW TO GET THE DATA **RIGHT**



VALUE PROPOSITION FOR NASA

Some examples of benefits for **NASA**:



Galaxy classification

Will improve the performance and effectiveness of their deep neuronal network.



Irregular galaxy shaping

Will help them identify the shape of irregular objects on the sky



Planetary nebula orientation

Inviting users to edit images and find the orientation of planetary nebula.



Public engagement and promotion

The game will make Hubble discoveries more visible and accessible

NEXT STEPS

THANK YOU
PILLARS OF
CREATION