

Graphic Observation and Analysis Tool (G.O.A.T.)

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Our Problem

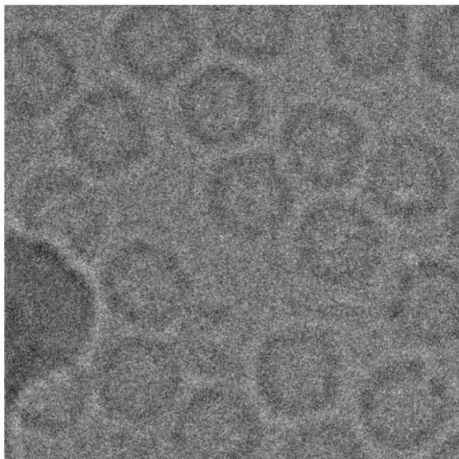
Create an efficient way for scientist to observe and analyze not only the entire image stack but also the data within each individual user-selected area.

Our Solution

- Use previous years code
- Improve functionality
- Polish UI

Before

3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20



Forward One Image

Backward One Image

Start Slide Show

Stop Slide Show

Start Backwards Slide Show

Stop Backwards Slide Show

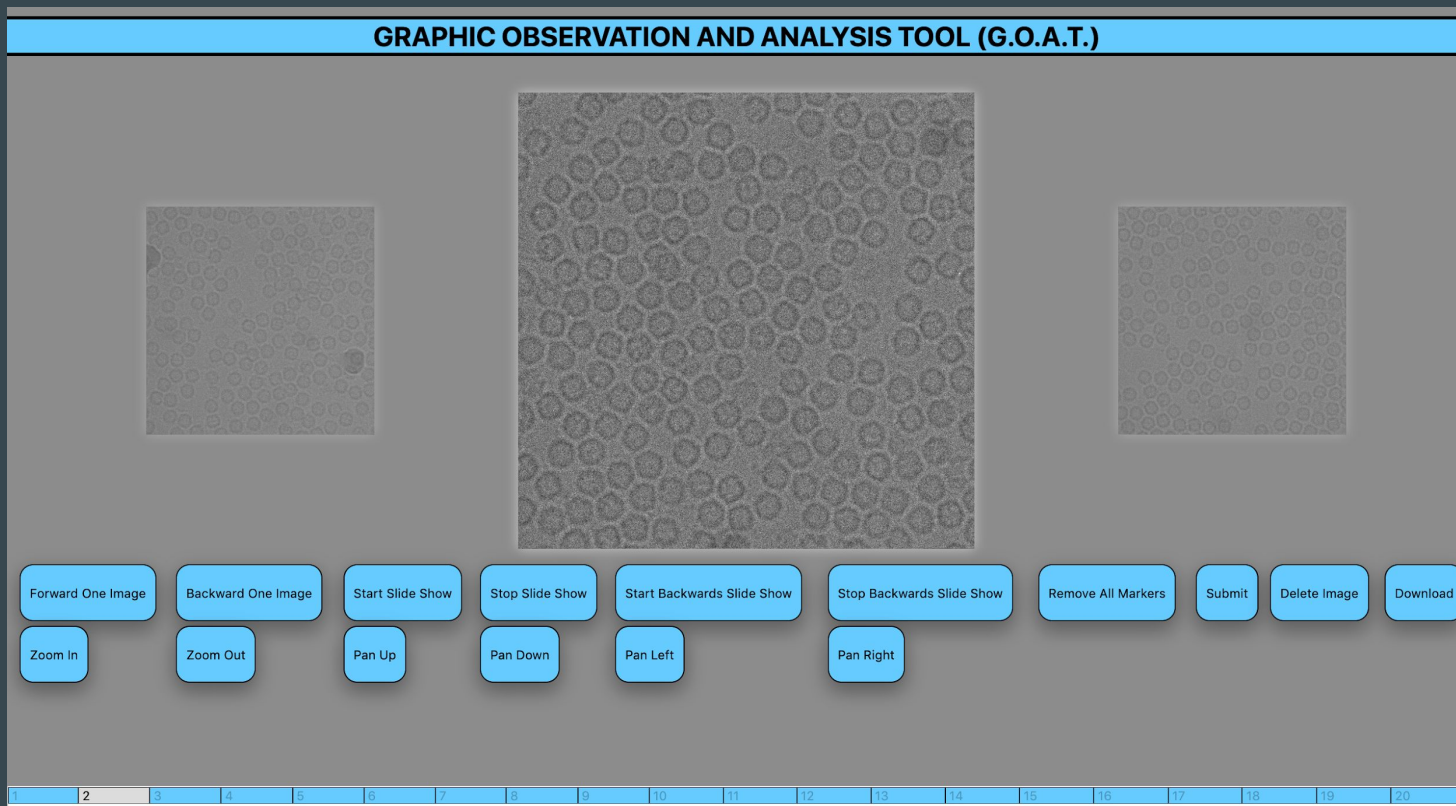
Remove All Markers

Submit

Delete Image

After Improvements

GRAPHIC OBSERVATION AND ANALYSIS TOOL (G.O.A.T.)



The interface displays three grayscale images of a cellular pattern. The central image is the largest and most detailed, showing a dense array of cells. The two side images are smaller and show a similar pattern from different perspectives or at different zoom levels.

Control buttons are arranged in two rows:

- Forward One Image
- Backward One Image
- Start Slide Show
- Stop Slide Show
- Start Backwards Slide Show
- Stop Backwards Slide Show
- Remove All Markers
- Submit
- Delete Image
- Download

Zoom and Pan controls are located below the main buttons:

- Zoom In
- Zoom Out
- Pan Up
- Pan Down
- Pan Left
- Pan Right

A status bar at the bottom shows a sequence of numbers from 1 to 20, with the number 3 highlighted in blue.

Work Delegation

Kevin Benton Jr - the program had to be partially re-coded to accommodate the new UI

Derek Morris Jr - Creating the necessary JS functions in order to add new features (download marker data as txt, one for each zoom button and each pan button)

Walter Asbell - Similar to the UI conversion the program had to be partially re-coded to accommodate the many new and changed HTML elements

Edsel Norwood - Organize how all of the functions, html elements, features, and UI would be implemented

Questions?