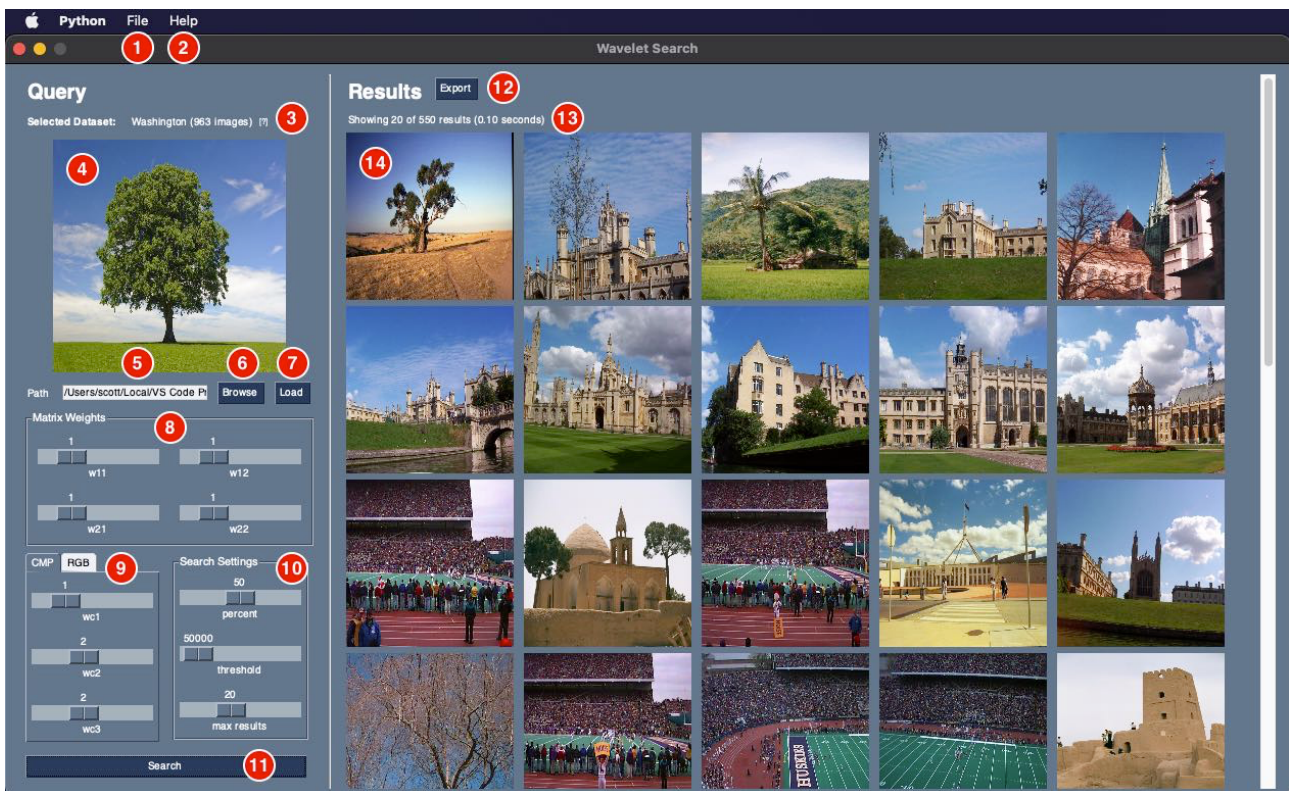# User Manual

Installation & Running Commands

- Install: `make setup`
- Run: `make run`

Please see the README.md file in the root directory of the application for more details.

Graphical User Interface

1. **File Menu:** Click here to access dataset management options such as importing a dataset or selecting a different dataset.
2. **Help Menu:** Click here to access this user manual.
3. **Dataset Information:** The currently selected dataset is displayed here with its title and size.
4. **Query Image:** The selected query image is displayed here.
5. **Query Path:** Input field where the absolute path to the query image can be pasted.
6. **Browse Files Button:** Click here to open a file browser to select the desired query image.
7. **Load Image Button:** Click here to reload the query image using the path in element 5.
8. **Matrix Weights:** Drag these sliders between 0 and 5 to change the associated vector weights ($w_{1,1}, w_{1,2}, w_{2,1}$ and $w_{2,2}$).
9. **Colour Channel Weights:** Drag these sliders between 0 and 5 to change the associated channel weights (can change between RGB and component colour channels by switching tabs).
10. **Search Settings:** Drag these sliders to set the *percent*, *threshold* and *limit* parameters.
11. **Search Button:** Click here to submit your query.
12. **Export Button:** Click here to export your results to an image file.
13. **Query Statistics:** Total images displayed, total results returned and query time is shown here.
14. **Result Images:** Result images are displayed here in order of similarity (best match top-left).