Sorting Visualization

Mark Nakamae

Cal Poly SLO

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Description

This project used pygame to create a visualization for bubble, merge, and quick sort in Python.

Bubble sort is an inefficient algorithm with O(N2) since it sorts by swapping two adjacent values a list at a time. However, if the list is already sorted, the runtime becomes O(N) since the program only has to loop through once over N items.