Runtime Analysis	insert	append
tinyArray	17.5 µs	52.166 µs
smallArray	36.958 µs	54.5 µs
mediumArray	121.25 µs	87.334 µs
largeArray	6.412834 ms	405.084 µs
extraLargeArray	765.681375 ms	3.658459 ms

Initially, the unshift or insert function is faster. It does not take long for the push or append function to become faster. By an array of length 1000 push has surpassed unshift in speed. Push scales much better, it does not take more than twice as long to complete until the move from length 1000 to 10000. Unshift doubles in time from 10 to 100.