General Assembly

INTRODUCTION TO ALGORITHMS

Key Terms

» **Algorithm:** A process that contains a set of steps you take in order to achieve a specific goal or a set of instructions that tells a computer how to solve a problem.

» **Sorting Algorithm:** Puts elements in a list in a certain order.

» **Search Algorithm:** Retrieves information stored within a data structure.

Cheat Sheet

Algorithms are evaluated based on the amount of resources it takes to run them. Those resources include:
- **Time:** The maximum amount of time it would take the algorithm to solve a problem.
- **Space:** The maximum amount of computer memory, or RAM, the algorithm needs to run.