## COMP 102: Excursions in Computer Science Lecture 11: Graphs

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## Take-home message

- Main searching algorithms for graphs: Breadth-first search, Depth-first search, Best-first search.
  - Know the steps of each algorithm, and the pros/cons for each.
- Characteristics of the basic types of graphs (regular, complete, random).
- · Definition and characteristics of small-world networks.
- Understand how graphs and finite-state machines can be combined to simulate real-world phenomena.

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