Math in Computer Science

Runtime Complexity

O(n)

O(n2)

O(n3)

O(log2(n))

O(2n)

Each:

Estimated Graph

Code

Runtime of program

Table of runtimes

Graph of runtimes

Runtime complexity calc + graph

Program for each complexity

Data Structures

Balanced Binary Tree

Portfolio Components

Intro of topic

Starting point

Ideas

Progression

Runtime complexity

Function families

Domains and ranges

Programming

Data Structures

Balanced Binary Tree

Runtime Calculator

Learnings

Goals