**Algorithm & Data Structure Visualizer**

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Algorithms and Data Structures are cornerstones of modern-day software development. They are prevalent in every developer’s career and are often intricate and expansive in what they encompass. As such, they are often-times difficult to learn for newer students.  
Our project aims to create an Algorithm Visualization program (AVDS) designed to ease the difficulty curve of the learning phase. The core design of the system aims to make the subjects easier to understand for students by providing an interactable UI.  
AVDSes have proven that they improve the quality of teaching, making them essential in modern studies.

**Keywords:** Algorithms, Data Structures, Visualization, Teaching, Software, Teaching aid, Software Engineering, Computer Science, Algorithm Visuazliation for Data Structures (AVDS), Learning, Development.