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Professor Goodrich and Tamassia are well-recognized researchers in algorithms and data structures, having published many papers in this field, with applications to Internet computing, information visualization, computer security, and geometric computing. they have served as principal investigators in several joint projects sponsored by the National Science Foundation, the Army Research Office, and the Defense Advanced research Projects Agency.

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Jupyter notebooks of my complete solutions to the Data Structures and Algorithms in Python textbook by Michael T. Goodrich. Solutions may not be optimal, but relied on the concepts taught in that particular chapter plus some extra coding techniques that I've been playing around with.

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This is a highly technical text on the topic of data structures and algorithmic design. Data structures as used within the text are the encapsulation of data variables into a data object: coming from a C background, think of them as a "struct". Unlike C though, C++ encapsulates the methods or functions that are used to manipulate the data variables as well. Simply put, an algorithm is the recipe for manipulating the data in an object.

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The design and analysis of efficient data structures has long been recognized as a key component of the Computer Science curriculum. Goodrich, Tomassia and Goldwassers approach to this classic topic is based on the object-oriented paradigm as the framework of choice for the design of data structures. For each ADT presented in the text, the authors provide an associated Java interface.

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He was a professor in the Department of Computer Science at Johns Hopkins University from 1987-2001. Dr. Goodrich's research is directed at the design of highperformance algorithms and data structures with applications to information assurance and security, the Internet, machine learning, and geometric computing.

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