



3 Courses

Object-Oriented Data  
Structures in C++

Ordered Data Structures

Unordered Data Structures



01/26/2020

**RUOCHI ZHANG**

has successfully completed the online, non-credit Specialization

# Accelerated Computer Science Fundamentals

Topics covered by this Specialization include basic object-oriented programming, the analysis of asymptotic algorithmic run times, and the implementation of basic data structures including arrays, hash tables, linked lists, trees, heaps and graphs, as well as algorithms for traversals, rebalancing and shortest paths. This Specialization sequence is designed to help prospective applicants to the flexible and affordable Online Master of Computer Science (MCS) and MCS in Data Science prepare for the Online MCS Entrance Exam. The Online MCS Entrance Exam allows applicants who do not have graded and transcribed prerequisite CS coursework in the areas of data structures, algorithms, and object-oriented programming to strengthen their applications for admission.

Wade Fagen-  
Ulmschneider  
Teaching Assistant  
Professor  
Computer Science

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

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