



JUNE 19, 2016

Jing Ma

has successfully completed

## Data structures: Measuring and Optimizing Performance

an online non-credit course authorized by University of California, San Diego and offered through Coursera

A handwritten signature in black ink, appearing to read "Christine Alvarado, Mia Minnes, Leo Porter".

Christine Alvarado, Mia Minnes, Leo Porter  
Associate Teaching Professor, Assistant Teaching Professor, Assistant Teaching Professor  
Computer Science and Engineering

## COURSE CERTIFICATE



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