



3 Courses

Object-Oriented Data
Structures in C++

Ordered Data Structures

Unordered Data Structures



Aug 18, 2024

HSINYU LIN

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.

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.

Wade Fagen-
Ulmschneider
Teaching Assistant
Professor
Computer Science

Verify this certificate at:

<https://coursera.org/verify/specialization/OQ3PBP2EC5XG>

Verified
Certificate



This is to certify that

HSINYU LIN

successfully completed and received a passing grade in

**CS1332xl: Data Structures & Algorithms I:
ArrayLists, LinkedLists, Stacks and Queues**

a course of study offered by GTx, an online learning
initiative of the Georgia Institute of Technology.

A handwritten signature in black ink, appearing to read 'Mary Hudachek-Buswell'.

Dr. Mary Hudachek-Buswell
Associate Chair of the School of Computing Instruction
Georgia Tech College of Computing

A handwritten signature in black ink, appearing to read 'Nelson Baker'.

Dr. Nelson Baker
Dean of Professional Education
Georgia Tech Professional Education

A handwritten signature in black ink, appearing to read 'Vivek Sarkar'.

Dr. Vivek Sarkar
John P. Imlay Dean of Computing
Georgia Tech College of Computing



Verified Certificate
Issued August 2, 2024

Valid Certificate ID
[ad0048949542438a8fe5b34d901e87cf](#)



5 Courses

Mathematical Thinking in
Computer Science

Combinatorics and
Probability

Introduction to Graph
Theory

Number Theory and
Cryptography

Delivery Problem



Jul 10, 2024

HSINYU LIN

has successfully completed the online, non-credit Specialization

Introduction to Discrete Mathematics for Computer Science

Discrete Math is needed to see mathematical structures in the object you work with, and understand their properties. This ability is important for software engineers, data scientists, security and financial analysts (it is not a coincidence that math puzzles are often used for interviews). We cover the basic notions and results (combinatorics, graphs, probability, number theory) that are universally needed.

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.

Alexander S. Kulikov
Professor
Department of
Mathematics and
Computer Science

Michael Levin
Lecturer
Computer Science

Владимир
Подольский
Доцент
Факультет
компьютерных наук
НИУ ВШЭ

Verify this certificate at:

<https://coursera.org/verify/specialization/BXD8H7SL94JW>

**Imperial College
London**

Jul 30, 2024

HSINYU LIN

has successfully completed

Mathematics for Machine Learning: Linear Algebra

an online non-credit course authorized by Imperial College London and offered through
Coursera



David Dye, Samuel J. Cooper, and A. Freddie Page

**COURSE
CERTIFICATE**



Verify at:
<https://coursera.org/verify/A99CGSURT3NH>

Coursera has confirmed the identity of this individual and their
participation in the course.



Georgia Institute of Technology

Apr 22, 2024

HSINYU LIN

has successfully completed

Introduction to User Experience Design

an online non-credit course authorized by Georgia Institute of Technology and offered through Coursera

Dr. Rosa I. Arriaga
Senior Research Scientist
School of Interactive Computing
Georgia Institute of Technology

COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/LTAV/G3FD4RU>

Coursera has confirmed the identity of this individual and their participation in the course.



May 29, 2024

HSINYU LIN

has successfully completed

Foundations of User Experience (UX) Design

an online non-credit course authorized by Google and offered through Coursera

A handwritten signature in black ink, reading "Amanda Brophy", is positioned above a horizontal dotted line.

Amanda Brophy
Global Director of Google Career Certificates

COURSE
CERTIFICATE



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<https://coursera.org/verify/FPM8UBGJ9XSA>

Coursera has confirmed the identity of this individual and their
participation in the course.



Jun 20, 2024

HSINYU LIN

has successfully completed

Start the UX Design Process: Empathize, Define,
and Ideate

an online non-credit course authorized by Google and offered through Coursera

A handwritten signature in black ink, reading "Amanda Brophy", is positioned above a dotted line.

Amanda Brophy
Global Director of Google Career Certificates

COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/LNSBCHNNVVB7>

Coursera has confirmed the identity of this individual and their
participation in the course.



May 4, 2024

HSINYU LIN

has successfully completed

Sales and CRM Overview

an online non-credit course authorized by Salesforce, Pathstream and offered through
Coursera

A handwritten signature in black ink, appearing to read "A Jones".

A handwritten signature in black ink, appearing to read "Angela Prakash".

Anthony Jones, M.S. Ed., Learning Experience Design Manager, Salesforce Sales Operations Professional Certificate
Angela Prakash, Learning Experience Design Manager, Salesforce Sales Operations Professional Certificate

**COURSE
CERTIFICATE**



Verify at:

<https://coursera.org/verify/GPYFTB2FFTX9>

Coursera has confirmed the identity of this individual and their
participation in the course.



May 15, 2024

HSINYU LIN

has successfully completed

Lead Management in Salesforce

an online non-credit course authorized by Salesforce, Pathstream and offered through
Coursera

A handwritten signature in black ink, appearing to read "A. Jones".

A handwritten signature in black ink, appearing to read "Angela Prakash".

Anthony Jones, M.S. Ed., Learning Experience Design Manager, Salesforce Sales Operations Professional Certificate
Angela Prakash, Learning Experience Design Manager, Salesforce Sales Operations Professional Certificate

**COURSE
CERTIFICATE**



Verify at:

<https://coursera.org/verify/2ZZ6U86UDR43>

Coursera has confirmed the identity of this individual and their
participation in the course.