

No.	Issue Date	Name	Issuing Organization
1	08/2020	<b>Control of Mobile Robots</b> ✧ Credential: <a href="https://www.coursera.org/account/accomplishments/certificate/HG7HQRA6QB6W">https://www.coursera.org/account/accomplishments/certificate/HG7HQRA6QB6W</a>	Georgia Institute of Technology offered through Coursera
2	08/2020	<b>Data Processing and Feature Engineering with MATLAB</b> ✧ Credential: <a href="https://www.coursera.org/account/accomplishments/certificate/VQVCQZ8TKA8S">https://www.coursera.org/account/accomplishments/certificate/VQVCQZ8TKA8S</a>	MathWorks offered through Coursera
3	08/2020	<b>Digital Manufacturing &amp; Design</b> ✧ Credential: <a href="https://www.coursera.org/account/accomplishments/certificate/TKJTUZV8E7WD">https://www.coursera.org/account/accomplishments/certificate/TKJTUZV8E7WD</a>	The State University of New York offered through Coursera
4	08/2020	<b>Digital Signal Processing 1: Basic Concepts and Algorithms</b> ✧ Credential: <a href="https://www.coursera.org/account/accomplishments/certificate/W29AWPG64LHN">https://www.coursera.org/account/accomplishments/certificate/W29AWPG64LHN</a>	École Polytechnique Fédérale de Lausanne offered through Coursera
5	08/2020	<b>Exploratory Data Analysis with MATLAB</b> ✧ Credential: <a href="https://www.coursera.org/account/accomplishments/certificate/4FLU965Z59SY">https://www.coursera.org/account/accomplishments/certificate/4FLU965Z59SY</a>	MathWorks and offered through Coursera
6	08/2020	<b>ROS for beginners</b> ✧ Credential: <a href="https://udemy-certificate.s3.amazonaws.com/pdf/UC-78acc757-07d7-4b95-bff8-429d271915cc.pdf">https://udemy-certificate.s3.amazonaws.com/pdf/UC-78acc757-07d7-4b95-bff8-429d271915cc.pdf</a>	Udemy
7	08/2020	<b>Structuring Machine Learning Projects</b> ✧ Credential: <a href="https://www.coursera.org/account/accomplishments/certificate/CWTWGW2Y72Q4">https://www.coursera.org/account/accomplishments/certificate/CWTWGW2Y72Q4</a>	Deeplearning.ai offered through Coursera
8	07/2020	<b>Digital Technology Data Analytics Program</b> ✧ Credential: <a href="https://insidesherpa.s3.amazonaws.com/completion-certificates/General%20Electric%20%28GE%29/ThbphD5N5WRsd9Mxo_General%20Electric_N2WkHQ2o9Qz6awSRT_completion_certificate.pdf">https://insidesherpa.s3.amazonaws.com/completion-certificates/General%20Electric%20%28GE%29/ThbphD5N5WRsd9Mxo_General%20Electric_N2WkHQ2o9Qz6awSRT_completion_certificate.pdf</a>	InsideSherpa

No.	Issue Date	Name	Issuing Organization
9	07/2020	<b>Introduction to Structured Query Language (SQL)</b> ✧ Credential: <a href="https://www.coursera.org/account/accomplishments/certificate/RTD8GWCDC4HY">https://www.coursera.org/account/accomplishments/certificate/RTD8GWCDC4HY</a>	University of Michigan offered through Coursera
10	07/2020	<b>Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization</b> ✧ Credential: <a href="https://www.coursera.org/account/accomplishments/certificate/DUTMMYEAC8H7">https://www.coursera.org/account/accomplishments/certificate/DUTMMYEAC8H7</a>	deeplearning.ai offered through Coursera
11	07/2020	<b>Advanced Styling with Responsive Design</b> ✧ Credential: <a href="https://www.coursera.org/account/accomplishments/certificate/P95MC5YFQDHD">https://www.coursera.org/account/accomplishments/certificate/P95MC5YFQDHD</a>	University of Michigan and offered through Coursera
12	07/2020	<b>Neural Networks and Deep Learning</b> ✧ Credential: <a href="https://www.coursera.org/account/accomplishments/certificate/RVKPV4EA3XX4">https://www.coursera.org/account/accomplishments/certificate/RVKPV4EA3XX4</a>	deeplearning.ai offered through Coursera
13	07/2020	<b>PHP Tutorial course</b> ✧ Credential: <a href="https://www.sololearn.com/Certificate/1059-18570613/pdf/">https://www.sololearn.com/Certificate/1059-18570613/pdf/</a>	Sololearn
14	07/2020	<b>Introduction to HTML5</b> ✧ Credential: <a href="https://www.coursera.org/account/accomplishments/certificate/3N2B6XQFBQNH">https://www.coursera.org/account/accomplishments/certificate/3N2B6XQFBQNH</a>	University of Michigan offered through Coursera
15	07/2020	<b>Advanced Styling with Responsive Design</b> ✧ Credential: <a href="https://www.coursera.org/account/accomplishments/certificate/P95MC5YFQDHD">https://www.coursera.org/account/accomplishments/certificate/P95MC5YFQDHD</a>	University of Michigan offered through Coursera
16	07/2020	<b>HTML Fundamental Tutorial</b> ✧ Credential: <a href="https://www.sololearn.com/Certificate/1014-18570613/pdf/">https://www.sololearn.com/Certificate/1014-18570613/pdf/</a>	Solo Learn Company
17	06/2020	<b>R Programming</b> ✧ Credential: <a href="https://www.coursera.org/account/accomplishments/certificate/HH6LDFV5BNJA">https://www.coursera.org/account/accomplishments/certificate/HH6LDFV5BNJA</a>	Johns Hopkins University offered through Coursera

No.	Issue Date	Name	Issuing Organization
18	06/2020	<b>Capstone: Retrieving, Processing, and Visualizing Data with Python</b> ✧ Credential : <a href="https://www.coursera.org/account/accomplishments/records/F8YUUTWR7U6T">https://www.coursera.org/account/accomplishments/records/F8YUUTWR7U6T</a>	University of Michigan offered through Coursera
19	06/2020	<b>MATLAB-Machine Learning Onramp</b> ✧ Credential: <a href="https://matlabacademy.mathworks.com/progress/share/certificate.html?id=fedb0ed4-9b29-441a-8b4c-404c3f69b3ad">https://matlabacademy.mathworks.com/progress/share/certificate.html?id=fedb0ed4-9b29-441a-8b4c-404c3f69b3ad</a>	MATLAB-Online Training Service
20	06/2020	<b>MATLAB-Deep Learning Onramp</b> ✧ Credential: <a href="https://matlabacademy.mathworks.com/progress/share/certificate.html?id=9284795f-2558-4dcf-836b-1881ccc339a3">https://matlabacademy.mathworks.com/progress/share/certificate.html?id=9284795f-2558-4dcf-836b-1881ccc339a3</a>	MATLAB-Online Training Service
21	05/2020	<b>Using Python to Access Web Data</b> ✧ Credential : <a href="https://www.coursera.org/account/accomplishments/verify/2LWKRUUHV76G">https://www.coursera.org/account/accomplishments/verify/2LWKRUUHV76G</a>	University of Michigan offered through Coursera
22	05/2020	<b>Python Data Structures</b> ✧ Credential: <a href="https://www.coursera.org/account/accomplishments/verify/K2SS6NVE756G">https://www.coursera.org/account/accomplishments/verify/K2SS6NVE756G</a>	University of Michigan offered through Coursera
23	04/2018	<b>Interdisciplinary Contest in Modeling</b> ➤ <i>Honorable Mention</i> ➤ Credential: <a href="http://www.comap-math.com/mcm/2018Certs/78777.pdf">http://www.comap-math.com/mcm/2018Certs/78777.pdf</a>	ICM



2020.08.12

**Jiaoran Wang**

has successfully completed

**Control of Mobile Robots**

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

A handwritten signature in black ink, appearing to read "Magnus Egerstedt", written over a horizontal line.

Magnus Egerstedt  
Professor  
School of Electrical and Computer Engineering  
College of Engineering  
Georgia Institute of Technology

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/HG7HQRA6QB6W](https://coursera.org/verify/HG7HQRA6QB6W)  
Coursera has confirmed the identity of this individual and  
their participation in the course.



2020.08.03

Jiaoran Wang

has successfully completed

Data Processing and Feature Engineering with  
MATLAB

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

*MathWorks Training*

COURSE  
CERTIFICATE



Verify at [coursera.org/verify/VQVCQZ8TKA8S](https://coursera.org/verify/VQVCQZ8TKA8S)  
Coursera has confirmed the identity of this individual and  
their participation in the course.





2020.08.03

**Jiaoran Wang**

has successfully completed

**Digital Manufacturing & Design**

an online non-credit course authorized by University at Buffalo and The State University of New York and offered through Coursera

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

Ken English  
Deputy Director  
Sustainable Manufacturing and Advanced Robotic Technologies Community of Excellence at the University at Buffalo

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/TKJTUZV8E7WD](https://coursera.org/verify/TKJTUZV8E7WD)  
Coursera has confirmed the identity of this individual and  
their participation in the course.

**EPFL**

2020.08.16

**Jiaoran Wang**

has successfully completed

**Digital Signal Processing 1: Basic Concepts and Algorithms**

an online non-credit course authorized by École Polytechnique Fédérale de Lausanne  
and offered through Coursera



Paolo Prandoni, lecturer  
School of Computer and Communication Sciences  
École Polytechnique Fédérale de Lausanne  
Switzerland



Professor Martin Vetterli  
School of Computer and Communication Sciences  
École Polytechnique Fédérale de Lausanne  
Switzerland

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CERTIFICATE**



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



2020.08.04

**Jiaoran Wang**

has successfully completed

**Exploratory Data Analysis with MATLAB**

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

*MathWorks Training*

**COURSE  
CERTIFICATE**



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



# *Certificate of Completion*

*This is to certify that **Jiaoran WANG** successfully  
completed 5.5 total hours of **ROS For Beginners**  
online course on Aug. 8, 2020*

*Edouard Renard*

Edouard Renard, Instructor

&



Certificate no: UC-78acc757-07d7-4b95-bf8b-429d271915cc  
Certificate url: [ude.my/UC-78acc757-07d7-4b95-bf8b-429d271915cc](https://udemy.com/UC-78acc757-07d7-4b95-bf8b-429d271915cc)

#BeAble



2020.08.01

**Jiaoran Wang**

has successfully completed

**Structuring Machine Learning Projects**

an online non-credit course authorized by deeplearning.ai and offered through  
Coursera

A handwritten signature in blue ink, appearing to read "Andrew Ng".

Adjunct Professor Andrew Ng  
Computer Science

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/CWTGWzY7zQ4](https://coursera.org/verify/CWTGWzY7zQ4)  
Coursera has confirmed the identity of this individual and  
their participation in the course.



InsideSherpa

Inspiring and empowering  
future professionals

# Jiaoran Wang

## Digital Technology Data Analytics Program

Certificate of Completion  
July 13th, 2020

Over the period of July 2020, Jiaoran Wang has completed practical task modules in:

Data Engineering  
Data Visualization

**Nicole Leber**  
Global Program  
Manager, Digital  
Technology Leadership  
Program

**Tom Brunskill**  
CEO, Co-Founder of  
InsideSherpa

Enrolment Verification Code 5icr4Y763YvC66zED | User Verification Code N2WkHQ2o9Qz6awSRT | Issued by InsideSherpa



2020.07.11

**Jiaoran Wang**

has successfully completed

**Introduction to Structured Query Language (SQL)**

an online non-credit course authorized by University of Michigan and offered through Coursera

A handwritten signature in black ink, appearing to read 'Charles', followed by a horizontal line.

Charles Severance  
Clinical Professor, School of Information  
University of Michigan

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/RTD8GWDC4HY](https://coursera.org/verify/RTD8GWDC4HY)  
Coursera has confirmed the identity of this individual and  
their participation in the course.





2020.08.01

**Jiaoran Wang**

has successfully completed

**Improving Deep Neural Networks:  
Hyperparameter tuning, Regularization and  
Optimization**

an online non-credit course authorized by deeplearning.ai and offered through  
Coursera

A handwritten signature in blue ink, appearing to read "Andrew Ng".

Adjunct Professor Andrew Ng  
Computer Science

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/DUTMMYEAC8H7](https://coursera.org/verify/DUTMMYEAC8H7)  
Coursera has confirmed the identity of this individual and  
their participation in the course.





2020.07.02

**Jiaoran Wang**

has successfully completed

**Advanced Styling with Responsive Design**

an online non-credit course authorized by University of Michigan and offered through Coursera

*Colleen van Lent*

Colleen van Lent, Ph.D.  
Lecturer  
School of Information, University of Michigan

*Charles Severance*

Charles Severance  
Clinical Professor, School of Information  
University of Michigan

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/P95MC5YFQDHD](https://coursera.org/verify/P95MC5YFQDHD)

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



2020.07.29

**Jiaoran Wang**

has successfully completed

**Neural Networks and Deep Learning**

an online non-credit course authorized by deeplearning.ai and offered through Coursera

A handwritten signature in blue ink, appearing to read "Andrew Ng".

Adjunct Professor Andrew Ng  
Computer Science

**COURSE  
CERTIFICATE**



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

# CERTIFICATE

SOLOLEARN

Issued 05 July, 2020

*This is to certify that*

**Jiaoran WANG**

*has successfully completed the*

**PHP Tutorial course**



Handwritten signature of Yeva Hyusyan in blue ink.

**Yeva Hyusyan**  
Chief Executive Officer

Certificate #1059-18570613



2020.06.30

Jiaoran Wang

has successfully completed

HTML5 入门

an online non-credit course authorized by University of Michigan and offered through Coursera

*Colleen van Lent*

Colleen van Lent, Ph.D.  
Lecturer  
School of Information, University of Michigan

*Charles*

Charles Severance  
Clinical Professor, School of Information  
University of Michigan

COURSE  
CERTIFICATE



Verify at [coursera.org/verify/3N2B6XQFBQNH](https://coursera.org/verify/3N2B6XQFBQNH)  
Coursera has confirmed the identity of this individual and  
their participation in the course.



2020.07.02

**Jiaoran Wang**

has successfully completed

**Advanced Styling with Responsive Design**

an online non-credit course authorized by University of Michigan and offered through Coursera

*Colleen van Lent*

Colleen van Lent, Ph.D.  
Lecturer  
School of Information, University of Michigan

*Charles*

Charles Severance  
Clinical Professor, School of Information  
University of Michigan

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/P95MC5YFQDHD](https://coursera.org/verify/P95MC5YFQDHD)  
Coursera has confirmed the identity of this individual and  
their participation in the course.



# CERTIFICATE

SOLOLEARN

Issued 28 June, 2020

*This is to certify that*

**Jiaoran WANG**

*has successfully completed the*

**HTML Fundamentals course**



Handwritten signature of Yeva Hyusyan in blue ink.

**Yeva Hyusyan**  
Chief Executive Officer

Certificate #1014-18570613



2020.06.14

**Jiaoran Wang**

has successfully completed

**R Programming**

an online non-credit course authorized by Johns Hopkins University and offered through Coursera

A handwritten signature in black ink, likely belonging to one of the faculty members mentioned in the text below.

Jeff Leek, PhD; Roger Peng, PhD; Brian Caffo, PhD  
Department of Biostatistics  
Johns Hopkins Bloomberg School of Public Health

**COURSE  
CERTIFICATE**



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

Some online courses may draw on material from courses taught on campus but are not equivalent to on-campus courses. This certificate does not affirm that this learner was enrolled as a student at Johns Hopkins University in any way. It does not confer a JHU grade, course credit or degree; establish any relationship between this learner and JHU or other JHU affiliate; enroll or register this learner at JHU or other JHU affiliate or in any course offered by JHU; or entitle this learner to access or use the resources of JHU or other JHU affiliates beyond the online courses provided by Coursera.



2020.06.04

**Jiaoran Wang**

has successfully completed

**Capstone: Retrieving, Processing, and Visualizing  
Data with Python**

an online non-credit course authorized by University of Michigan and offered through  
Coursera

A handwritten signature in black ink, appearing to read 'Charles', followed by a horizontal line.

Charles Severance  
Clinical Professor, School of Information  
University of Michigan

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/F8YUUTWR7U6T](https://coursera.org/verify/F8YUUTWR7U6T)  
Coursera has confirmed the identity of this individual and  
their participation in the course.



# Course Completion Certificate

Jiaoran Wang

has successfully completed **100%** of the self-paced training course

Machine Learning Onramp

  
DIRECTOR, TRAINING SERVICES

07 June 2020



# Course Completion Certificate

Jiaoran Wang

has successfully completed **100%** of the self-paced training course

Deep Learning Onramp



DIRECTOR, TRAINING SERVICES

01 June 2020





2020.05.18

**Jiaoran Wang**

has successfully completed

**Using Python to Access Web Data**

an online non-credit course authorized by University of Michigan and offered through Coursera

A handwritten signature in black ink, appearing to read 'Charles', followed by a horizontal line.

Charles Severance  
Clinical Professor, School of Information  
University of Michigan

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/zLWKRUHV76G](https://coursera.org/verify/zLWKRUHV76G)  
Coursera has confirmed the identity of this individual and  
their participation in the course.



2020.05.15

**Jiaoran Wang**

has successfully completed

**Python Data Structures**

an online non-credit course authorized by University of Michigan and offered through Coursera

A handwritten signature in black ink, appearing to read 'Charles', followed by a horizontal line.

Charles Severance  
Clinical Professor, School of Information  
University of Michigan

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/K2SS6NVE756G](https://coursera.org/verify/K2SS6NVE756G)

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

# Interdisciplinary Contest In Modeling® Certificate of Achievement

Be It Known That The Team Of

Ke Ma  
Xinru Liang  
Jiaoran Wang

With Faculty Advisor  
ZHENBIN GAO

Of

HARBIN ENGINEERING UNIVERSITY

Was Designated As  
Honorable Mention

  
D. Chris Arney, Contest Director

Administered by  
  
With support from

  
Amanda Beecher, Head Judge