

03/05/2020

Johnathan Oliver Howard Napier

has successfully completed

Advanced Deployment Scenarios with TensorFlow

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



Laurence Moroney

Laurence Moroney Staff AI Advocate Google Brain

Verify at coursera.org/verify/WP86HRLRV579



01/24/2020

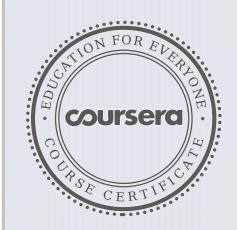
Johnathan Oliver Howard Napier

has successfully completed

Browser-based Models with TensorFlow.js

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

COURSE CERTIFICATE



Laurence Moroney

Laurence Moroney Staff AI Advocate Google Brain

Verify at coursera.org/verify/7MBWJG7ZLN7K



02/29/2020

Johnathan Oliver Howard Napier

has successfully completed

Convolutional Neural Networks

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



Adjunct Professor Andrew Ng Computer Science

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01/29/2020

Johnathan Oliver Howard Napier

has successfully completed

Convolutional Neural Networks in TensorFlow

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

Laurence Moroney

Laurence Moroney Staff AI Advocate Google Brain

COURSE CERTIFICATE



Verify at coursera.org/verify/R23ZRDUV53U7



03/05/2020

Johnathan Oliver Howard Napier

has successfully completed

Data Pipelines with TensorFlow Data Services

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



Laurence Moroney

Laurence Moroney Staff AI Advocate Google Brain

 $Verify\ at\ coursera.org/verify/E695G59TGCH6$



02/07/2020

Johnathan Oliver Howard Napier

has successfully completed

Device-based Models with TensorFlow Lite

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

COURSE CERTIFICATE



Laurence Moroney

Laurence Moroney Staff AI Advocate Google Brain

Verify at coursera.org/verify/JGDYYYGSFF96



02/18/2020

Johnathan Oliver Howard Napier

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

Adjunct Professor Andrew Ng Computer Science

COURSE CERTIFICATE



 $Verify\ at\ coursera.org/verify/QVT_5UZ_4KYZVS$



01/22/2020

Johnathan Oliver Howard Napier

has successfully completed

Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning

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

Laurence Moroney

Laurence Moroney Staff AI Advocate Google Brain

COURSE CERTIFICATE



Verify at coursera.org/verify/SHH5QZ5ZPT4A



02/05/2020

Johnathan Oliver Howard Napier

has successfully completed

Natural Language Processing in TensorFlow

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



Laurence Moroney

Laurence Moroney Staff AI Advocate Google Brain

Verify at coursera.org/verify/WW63SFA2HR57



02/04/2020

Johnathan Oliver Howard Napier

has successfully completed

Neural Networks and Deep Learning

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



Adjunct Professor Andrew Ng Computer Science

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03/03/2020

Johnathan Oliver Howard Napier

has successfully completed

Sequence Models

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



Adjunct Professor Andrew Ng Computer Science

Verify at coursera.org/verify/U6RM9FB6X7TL



02/12/2020

Johnathan Oliver Howard Napier

has successfully completed

Sequences, Time Series and Prediction

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

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COURSE

CERTIFICATE

Laurence Moroney

Laurence Moroney Staff AI Advocate Google Brain

 $Verify\ at\ coursera.org/verify/XSJSR2R6W4QX$



02/25/2020

Johnathan Oliver Howard Napier

has successfully completed

Structuring Machine Learning Projects

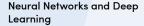
an online non-credit course authorized by deeplearning ai and offered through Coursera



Adjunct Professor Andrew Ng Computer Science

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Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization

Structuring Machine Learning Projects

Convolutional Neural Networks

Sequence Models



03/03/2020

Johnathan Oliver Howard Napier

has successfully completed the online, non-credit Specialization

Deep Learning

The Deep Learning Specialization is designed to prepare learners to participate in the development of cutting-edge AI technology, and to understand the capability, the challenges, and the consequences of the rise of deep learning. Through five interconnected courses, learners develop a profound knowledge of the hottest AI algorithms, mastering deep learning from its foundations (neural networks) to its industry applications (Computer Vision, Natural Language Processing, Speech Recognition, etc.).

Adjunct Professor Andrew Ng Computer Science

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Verify this certificate at: coursera.org/verify/specialization/AZLA9SKG5JND



Browser-based Models with TensorFlow.js

Device-based Models with TensorFlow Lite

Data Pipelines with TensorFlow Data Services

Advanced Deployment Scenarios with TensorFlow



03/05/2020

Johnathan Oliver Howard Napier

has successfully completed the online, non-credit Specialization

TensorFlow: Data and Deployment

In this specialization, you continued to develop your understanding of machine learning with TensorFlow: Data and Deployment. You have gone beyond basic modeling and learned how to train and run your models within a browser, optimize machine learning models for mobile devices, and create effective data pipelines with TensorFlow Data Services. Now that you've learned the various ways to deploy your models, you're well-prepared to take your models into the hands of real people on all kinds of devices!

Laurence Moroney

Laurence Moroney Staff Al Advocate Google Brain



Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning

Convolutional Neural Networks in TensorFlow

Natural Language Processing in TensorFlow

Sequences, Time Series and Prediction



02/12/2020

Johnathan Oliver Howard Napier

has successfully completed the online, non-credit Specialization

TensorFlow in Practice

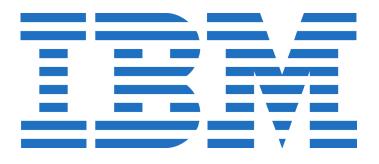
In this specialization, you got a grounding in what you need to get started with TensorFlow: In Practice. The goal was to help you take the next steps, such as going deeper into understanding Machine Learning and the practice of understanding loss functions, optimizers and more, or perhaps you want to know more about neural networks and the different types of layers, from convolutions to recurrent or LSTM. Now that you have used some of them and seen the impact of different layer types in practice, you can go forward equipped to go deeper!



Laurence Moroney is an Al Advocate at Google Research

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Verify this certificate at: coursera.org/verify/specialization/CH5G9WZXB4BS



08/25/2019

Johnathan Oliver Howard Napier

has successfully completed

Advanced Machine Learning and Signal Processing

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

MM

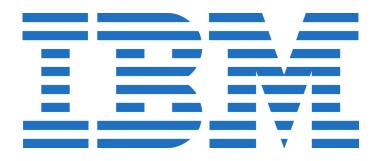
Romeo Kienzler Chief Data Scientist IBM Watson IoT Monda

Nikolay Manchev
Data Scientist
IBM EMEA Data Science

COURSE CERTIFICATE



 $Verify\ at\ coursera.org/verify/Z_5RVMUYX_3GT_3$



02/14/2020

Johnathan Oliver Howard Napier

has successfully completed

AI Capstone Project with Deep Learning

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

COURSE CERTIFICATE



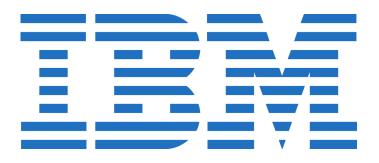
Alex Aklson, Ph.D. Data Scientist

J Sastarongel

Joseph Santarcangelo Senior Data Scientist IBM

 $Verify\ at\ coursera.org/verify/3PPTV37TUX26$

Coursera has confirmed the identity of this individual and $\mbox{their participation in the course}. \label{eq:course}$



09/13/2019

Johnathan Oliver Howard Napier

has successfully completed

Applied AI with DeepLearning

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

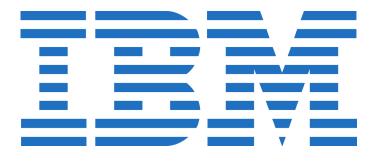
Miketan Pansare Ruy

Romeo Kienzler, Niketan Pansare, Max Pumperla

COURSE CERTIFICATE



Verify at coursera.org/verify/GWB422NHL999



04/04/2020

Johnathan Oliver Howard Napier

has successfully completed

Building AI Powered Chatbots Without Programming

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

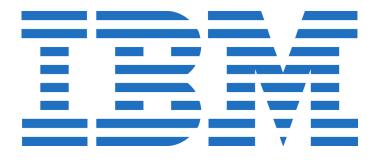
Antonio Cangiano

Antonio Cangiano Software Developer and Technical Evangelist IBM Digital Business Group

COURSE CERTIFICATE



Verify at coursera.org/verify/PF678RMD7WB2



02/13/2020

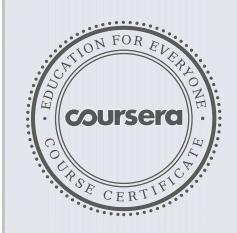
Johnathan Oliver Howard Napier

has successfully completed

Building Deep Learning Models with TensorFlow

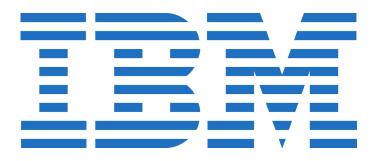
an online non-credit course authorized by IBM and offered through Coursera

COURSE CERTIFICATE



Alex Aklson, Ph.D. Data Scientist

Verify at coursera.org/verify/NLYPRVCLZ97C



02/06/2020

Johnathan Oliver Howard Napier

has successfully completed

Deep Neural Networks with PyTorch

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

COURSE CERTIFICATE



Joseph Santarcangelo Senior Data Scientist IBM

Verify at coursera.org/verify/MTAWW46VV68D



08/17/2019

Johnathan Oliver Howard Napier

has successfully completed

Fundamentals of Scalable Data Science

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

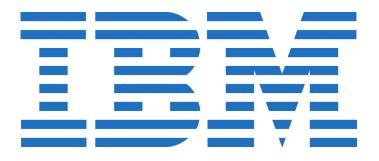
COURSE CERTIFICATE



Romeo Kienzler Chief Data Scientist IBM Watson IoT

Verify at coursera.org/verify/Y3VVABRUESTG

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04/04/2020

Johnathan Oliver Howard Napier

has successfully completed

Getting Started with AI using IBM Watson

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

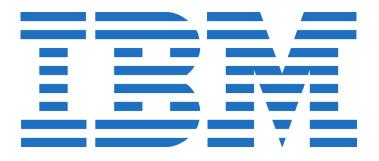
for Muse

Rav Ahuja AI & Data Science Program Director IBM Skills Network

COURSE CERTIFICATE



 $Verify\ at\ coursera.org/verify/VMVRCVMHZMDR$



04/02/2020

Johnathan Oliver Howard Napier

has successfully completed

Introduction to Artificial Intelligence (AI)

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

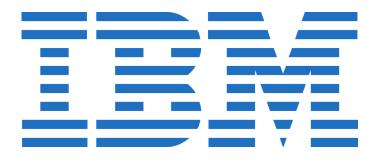
for Muse

Rav Ahuja AI & Data Science Program Director IBM Skills Network

COURSE CERTIFICATE



Verify at coursera.org/verify/M7TQ9LLVDZUJ



02/04/2020

Johnathan Oliver Howard Napier

has successfully completed

Introduction to Deep Learning & Neural Networks with Keras

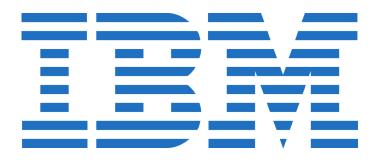
an online non-credit course authorized by IBM and offered through Coursera

COURSE CERTIFICATE



Alex Aklson, Ph.D. Data Scientist

Verify at coursera.org/verify/TJNNM237HYZE



01/17/2020

Johnathan Oliver Howard Napier

has successfully completed

Machine Learning with Python

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

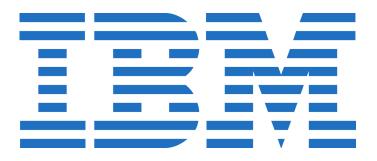
COURSE CERTIFICATE



Dovel A.

Saeed Aghabozorgi Sr. Data Scientist IBM

Verify at coursera.org/verify/S58HYHXLBFQ7



01/22/2020

Johnathan Oliver Howard Napier

has successfully completed

Scalable Machine Learning on Big Data using Apache Spark

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

COURSE CERTIFICATE



Romeo Kienzler Chief Data Scientist IBM Watson IoT

Verify at coursera.org/verify/S273YP2FWESP



Introduction to Artificial Intelligence (AI)

Getting Started with Al using IBM Watson

Building Al Powered Chatbots Without Programming



04/04/2020

Johnathan Oliver Howard Napier

has successfully completed the online, non-credit Specialization

Al Foundations for Everyone

In this specialization learners have developed foundational skills in AI. Learners who have successfully completed this specialization should be able to describe what is AI, its applications and use cases. They should be acquainted with terms like Machine Learning, Deep Learning, etc. The learners should be familiar with the various IBM Watson AI services that enable businesses to apply pre-built AI smarts to their solutions. They should also have knowledge on how to build and deploy web-based intelligent virtual assistants. Learners who have earned this certificate have completed 3 online courses on AI and have demonstrated their competency in Foundations of AI using quizzes and several hands on exercises, including creating and deploying an AI enabled chatbot on a website.



Rav Ahuja Al & Data Science Program Director IBM Skills Network

Antonio Cangiano

Antonio Cangiano Software Developer and Technical Evangelist IBM Digital Business Group

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Machine Learning with Python

Scalable Machine Learning on Big Data using Apache Spark

Introduction to Deep Learning & Neural Networks with Keras

Deep Neural Networks with PyTorch

Building Deep Learning Models with TensorFlow

Al Capstone Project with Deep Learning



02/14/2020

Johnathan Oliver Howard Napier

has successfully completed the online, non-credit Professional Certificate

IBM AI Engineering

Learners who have completed this 6 course Professional Certificate have a practical understanding of Machine Learning (ML) & Deep Learning (DL). They have technical skills to start a career in Al Engineering, and can: • Implement ML algorithms including Classification, Regression, Clustering, and Dimensional Reduction using scipy & scikitlearn • Perform ML on Big Data and deploy ML Algorithms and Pipelines on Apache Spark • Demonstrate understanding of Deep Learning models such as autoencoders, restricted Boltzmann machines, convolutional networks, recursive neural networks, and recurrent networks • Build deep learning models and neural networks using Keras, PyTorch and Tensorflow libraries • Demonstrate ability to present and communicate outcomes of deep learning projects

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.

Romeo Kienzler Chief Data Scientist IBM Watson IoT

Alex Aklson, Ph.D.
Data Scientist

of Sastacongs!

Joseph Santarcangelo Senior Data Scientist IBM

Josel A.

Saeed Aghabozorgi Sr. Data Scientist IBM

Verify this certificate at: coursera.org/verify/professional-cert/3UBWH534M9SE

Mar 3, 2022

Johnathan Oliver Howard Napier

has successfully completed

Introduction to Statistics & Data Analysis in Public Health

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

MENTE

Professor Alex Bottle Professor of Medical Statistics School of Public Health

COURSE CERTIFICATE



Verify at: coursera.org/verify/9RXKU2TGBBGH

Mar 4, 2022

JOHNATHAN OLIVER-HOWARD NAPIER

has successfully completed

Linear Regression in R for Public Health

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

COURSE CERTIFICATE



MENTHO

Professor Alex Bottle Professor of Medical Statistics School of Public Health Mrs

Dr Victoria Cornelius Senior Lecturer Medical Statistics and Clinical Trials

Verify at: coursera.org/verify/M6QH6SYBKX3L

Mar 5, 2022

JOHNATHAN OLIVER-HOWARD NAPIER

has successfully completed

Logistic Regression in R for Public Health

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



Professor Alex Bottle
Professor of Medical Statistics

School of Public Health

Verify at: coursera.org/verify/AC9FFEUNBSXN

07/12/2019

Johnathan Oliver Howard Napier

has successfully completed

Mathematics for Machine Learning: Linear Algebra

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

COURSE CERTIFICATE



David Dye and Samuel J. Cooper

Verify at coursera.org/verify/RN463TN58E5C

07/14/2019

Johnathan Oliver Howard Napier

has successfully completed

Mathematics for Machine Learning: Multivariate Calculus

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

COURSE CERTIFICATE



David Dye and Samuel J. Cooper

Verify at coursera.org/verify/SNVCCF4LD5TF

07/16/2019

Johnathan Oliver Howard Napier

has successfully completed

Mathematics for Machine Learning: PCA

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

COURSE CERTIFICATE



Man Deisenrott

Dr.-Ing. Marc Deisenroth

Dr.-Ing. Marc Deisenroth Lecturer in Statistical Machine Learning Department of Computing Imperial College London

 $Verify\ at\ coursera.org/verify/SYYV_5E6FPMSC$

Imperial College London

Mar 6, 2022

JOHNATHAN OLIVER-HOWARD NAPIER

has successfully completed

Survival Analysis in R for Public Health

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



Professor Alex Bottle
Professor of Medical Statistics
School of Public Health

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3 Courses

Mathematics for Machine Learning: Linear Algebra

Mathematics for Machine Learning: Multivariate Calculus

Mathematics for Machine Learning: PCA Imperial College London

07/16/2019

Johnathan Oliver Howard Napier

has successfully completed the online, non-credit Specialization

Mathematics for Machine Learning

A sequence of 3 courses on the prerequisite mathematics for applications in data science and machine learning. Successful participants learn how to represent data in a linear algebra context and manipulate these objects mathematically. They are able to summarise properties of data sets and map them onto lower dimensional spaces with principal component analysis. Finally they can solve optimisation problems and use this skill to train models for describing data such as simple neural networks.



David Dye Professor of Metallurgy Department of Materials Imperial College London

Samuel J. Cooper Lecturer Dyson School of Design Engineering Imperial College London

Dr.-Ing. Marc Deisenroth Lecturer Department of Computing Imperial College London

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4 Courses

Introduction to Statistics & Data Analysis in Public Health

Linear Regression in R for Public Health

Logistic Regression in R for Public Health

Survival Analysis in R for Public Health Imperial College London

Mar 6, 2022

JOHNATHAN OLIVER-HOWARD NAPIER

has successfully completed the online, non-credit Specialization

Statistical Analysis with R for Public Health

This Specialisation comprises four courses on formulating and testing hypotheses, correlation and three main types of regression, including testing model assumptions and dealing with real-world data problems through statistical analysis using R software. Successful participants can appreciate how key statistical concepts such as sample size and how the data were generated are important to modern public health research and practice. They are able to apply appropriate methods in order to formulate and examine statistical associations between variables within a data set using R. Finally, they can interpret the output from their analysis and appraise the role of chance and bias as potential explanations for their results.

MENTE

Dr Alex Bottle
Reader in Medical
Statistics
Department of Public
Health
imperial College London

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Feb 27, 2022

Johnathan Oliver Howard Napier

has successfully completed

Algorithms for DNA Sequencing

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



Computer Science Johns Hopkins University

Ben Langmead, PhD Assistant Professor Computer Science Johns Hopkins University

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participation in the course.
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Jun 27, 2022

JOHNATHAN OLIVER-HOWARD NAPIER

has successfully completed

Bioconductor for Genomic Data Science

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



May lind An

Kasper D. Hansen, Ph.D. Assistant Professor of Biostatistics and Genetic Medicine Bloomberg School of Public Health Johns Hopkins University

> Verify at: coursera.org/verify/B5M8SPSQUPL9

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Mar 2, 2022

Johnathan Oliver Howard Napier

has successfully completed

Command Line Tools for Genomic Data Science

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



Liliane S. Place

Liliana Florea, PhD McKusick-Nathans Institute of Genetic Medicine Johns Hopkins University

Verify at: coursera.org/verify/LMMN32JDCW8U



05/08/2020

Johnathan Oliver Howard Napier

has successfully completed

Hypothesis Testing in Public Health

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

John Motherdy

John McGready, PhD, MS Department of Biostatistics Bloomberg School of Public Health Johns Hopkins University

COURSE CERTIFICATE



 $Verify\ at\ coursera.org/verify/HNKRA59THJUB$

Coursera has confirmed the identity of this individual and $\label{eq:course} \text{their participation in the course}.$



Jan 20, 2022

Johnathan Oliver Howard Napier

has successfully completed

Introduction to Genomic Technologies

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



Steven Salf

Steven L. Salzberg, PhD McKusick-Nathans Institute of Genetic Medicine Johns Hopkins University Jeffrey Leek, PhD
Department of Biostatistics
Johns Hopkins Bloomberg School of Public Health

Verify at coursera.org/verify/R67K2M9ERFC3

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05/09/2020

Johnathan Oliver Howard Napier

has successfully completed

Multiple Regression Analysis in Public Health

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

John Matheody

John McGready, PhD, MS Department of Biostatistics Bloomberg School of Public Health Johns Hopkins University

COURSE CERTIFICATE



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Feb 23, 2022

Johnathan Oliver Howard Napier

has successfully completed

Mihaela Pertea, PhD

Johns Hopkins University

Python for Genomic Data Science

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



leihale Pertes

McKusick-Nathans Institute of Genetic Medicine

Steven Saly

Steven L. Salzberg, PhD McKusick-Nathans Institute of Genetic Medicine Johns Hopkins University

> Verify at: coursera.org/verify/QER5XGEV2K55

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participation in the course.
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08/16/2019

Johnathan Oliver Howard Napier

has successfully completed

R Programming

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

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Japle V2. o Bun Calle

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

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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.



08/22/2019

Johnathan Oliver Howard Napier

has successfully completed

Regression Models

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

COURSE CERTIFICATE



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

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05/09/2020

Johnathan Oliver Howard Napier

has successfully completed

Simple Regression Analysis in Public Health

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

John Matheody

John McGready, PhD, MS Department of Biostatistics Bloomberg School of Public Health Johns Hopkins University

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08/21/2019

Johnathan Oliver Howard Napier

has successfully completed

Statistical Inference

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

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

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Jun 26, 2022

JOHNATHAN OLIVER-HOWARD NAPIER

has successfully completed

Statistics for Genomic Data Science

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



Jeffrey Leek, PhD Department of Biostatistics Johns Hopkins Bloomberg School of Public Health

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05/06/2020

Johnathan Oliver Howard Napier

has successfully completed

Summary Statistics in Public Health

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

John Motherdy

John McGready, PhD, MS Department of Biostatistics Bloomberg School of Public Health Johns Hopkins University

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07/20/2019

Johnathan Oliver Howard Napier

has successfully completed

The Data Scientist's Toolbox

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

COURSE CERTIFICATE



The Ten Calle

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

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4 Courses

Summary Statistics in Public Health

Hypothesis Testing in Public Health

Simple Regression Analysis in Public Health

Multiple Regression Analysis in Public Health



05/09/2020

Johnathan Oliver Howard Napier

has successfully completed the online, non-credit Specialization

Biostatistics in Public Health

In this Specialization, learners developed the ability to calculate key biostatistical measures used throughout public health, the biomedical sciences, and other scientific fields. They also learned to interpret the results from various statistical tests and to think critically about the application of statistical methods to specific research questions and data sets.

John Madady

John McGready, PhD MS Associate Scientist Department of

Biostatistics

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6 Courses



Python for Genomic Data Science

Algorithms for DNA Sequencing

Command Line Tools for Genomic Data Science

Bioconductor for Genomic Data Science

Statistics for Genomic Data Science



Jun 27, 2022

JOHNATHAN OLIVER-HOWARD NAPIER

has successfully completed the online, non-credit Specialization

Genomic Data Science

This specialization covers the concepts and tools to understand, analyze, and interpret data from next generation sequencing experiments. It teaches the most common tools used in genomic data science including how to use the command line, Python, R, Bioconductor, and Galaxy. The sequence is a stand alone introduction to genomic data science or a perfect compliment to a primary degree or postdoc in biology, molecular biology, or genetics.

Jeff to May Dol An

Jeff Leek, PhD, and Kasper Daniel Hansen, PhD, Department of Biostatistics, Johns Hopkins Bloomberg School of Public Health

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Dec 21, 2024

Johnathan Napier

has successfully completed

Probability Theory: Foundation for Data Science

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

COURSE CERTIFICATE



Sane Doughuty

Senior Instructor University of Colorado Teaching Professor Associate Department Chair Undergraduate Studies Chair Jem Corcoran Associate Professor Applied Mathematics

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03/17/2020

Johnathan Oliver Howard Napier

has successfully completed

Quantum Mechanics

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

CERTIFICATE

COURSE



John W. Daily Department of Mechanical Engineering University of Colorado at Boulder

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Mar 15, 2025

Johnathan Napier

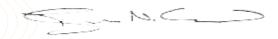
has successfully completed

Statistical Inference and Hypothesis Testing in Data Science Applications

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







Jem Corcoran Associate Professor Applied Mathematics

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Mar 15, 2025

Johnathan Napier

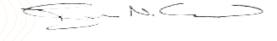
has successfully completed

Statistical Inference for Estimation in Data Science

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







Jem Corcoran Associate Professor Applied Mathematics

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3 Courses

Probability Theory: Foundation for Data Science

Statistical Inference for Estimation in Data Science

Statistical Inference and Hypothesis Testing in Data Science Applications



Mar 15, 2025

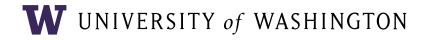
Johnathan Napier

has successfully completed the online, non-credit Specialization

Data Science Foundations: Statistical Inference

This program is designed to provide the learner with a solid foundation in probability theory in preparation for the broader study of statistics. It will also introduce the learner to the fundamentals of statistics and statistical theory and will equip the learner with the skills required to perform fundamental statistical analysis of a data set in the R programming language.

Nane Doughety & N. C.



05/28/2020

Johnathan Oliver Howard Napier

has successfully completed

Machine Learning: Classification

a MOOC from the University of Washington and offered through Coursera

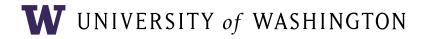


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Emily Fox Amazon Professor of Machine Learning Statistics Com go

Carlos Guestrin Amazon Professor of Machine Learning Computer Science and Engineering

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05/30/2020

Johnathan Oliver Howard Napier

has successfully completed

Machine Learning: Clustering & Retrieval

a MOOC from the University of Washington and offered through Coursera

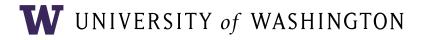


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Emily Fox Amazon Professor of Machine Learning Statistics Com go

Carlos Guestrin
Amazon Professor of Machine Learning
Computer Science and Engineering

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05/22/2020

Johnathan Oliver Howard Napier

has successfully completed

Machine Learning: Regression

a MOOC from the University of Washington and offered through Coursera

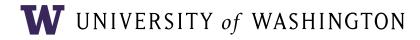
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Emily Fox Amazon Professor of Machine Learning Statistics Com go

Carlos Guestrin
Amazon Professor of Machine Learning
Computer Science and Engineering

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05/17/2020

Johnathan Oliver Howard Napier

has successfully completed

Machine Learning Foundations: A Case Study Approach

a MOOC from the University of Washington and offered through Coursera



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Emily Fox Amazon Professor of Machine Learning Statistics Con go

Carlos Guestrin
Amazon Professor of Machine Learning
Computer Science and Engineering

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4 Courses

Machine Learning Foundations: A Case Study Approach

Machine Learning: Regression

Machine Learning: Classification

Machine Learning: Clustering & Retrieval



05/30/2020

Johnathan Oliver Howard Napier

has successfully completed the online, non-credit Specialization

Machine Learning

Congratulations! This Certificate establishes that you have demonstrated proficiency in the exciting, high-demand field of Machine Learning through rigorous online coursework from leading Machine Learning researchers at the University of Washington. Through a series of practical case studies, you gained applied experience in major areas of Machine Learning including Prediction, Classification, Clustering, and Information Retrieval. You learned to analyze large and complex datasets, create systems that adapt and improve over time, and build intelligent applications that can make predictions from data. Take pride in your accomplishment and welcome to the global Machine Learning community!

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Emily Fox, Amazon
Professor of Machine
Learning, Statistics
Carlos Guestrin, Amazon
Professor of Machine
Learning, Computer
Science and Engineering

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01/14/2020

Johnathan Oliver Howard Napier

has successfully completed

Introduction to Machine Learning

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

Guin Lin Do Co

Genevieve M. Lipp David Carlson Lawrence Carin

COURSE CERTIFICATE



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03/29/2020

Johnathan Oliver Howard Napier

has successfully completed

How Google does Machine Learning

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

COURSE CERTIFICATE



Google Cloud Training

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01/17/2020

Johnathan Oliver Howard Napier

has successfully completed

An Introduction to Practical Deep Learning

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

Andres Koolinguez

Midhil Minty

Andres Rodriguez and Nikhil Murthy

COURSE CERTIFICATE



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Stanford ONLINE

03/03/2020

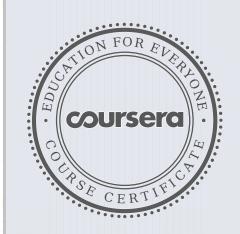
Johnathan Oliver Howard Napier

has successfully completed

Machine Learning

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

COURSE CERTIFICATE



Associate Professor Andrew Ng Computer Science Department Stanford University

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12/26/2019

Johnathan Oliver Howard Napier

has successfully completed

Programming for Everybody (Getting Started with Python)

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

COURSE CERTIFICATE



Charles Severance Clinical Professor, School of Information University of Michigan

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