Please find Academic Transcript and Certificates:

Certificates:

HIGHERCERTIFICATE IN INFORMATION SYSTEMS ENGINEERING:

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Summa Vicia

EST. **Eduvos** 1979

The Senate of Eduvos (Pty) Ltd hereby certifies that the

Higher Certificate in Information Systems Systems Engineering

with all its associated rights and privileges was conferred upon

Nelio Lino Nnacolo

in terms of the Higher Education Act, 1997.

Acting Dean of Faculties

Registrar

Registration Certificate number: 2001/HE07/008
This certificate is not authentic without the Eduvos embossed seal

GRD2022-1636
Student Number: 33BQKWCG9
Date: 22 April 2022

The Data Science Course: Complete Data Science Bootcamp:

udemy

Certificate no: UC-e91c33f6-fb47-49ce-aab3-32e4fdfbf695
Certificate url: ude.my/UC-e91c33f6-fb47-49ce-aab3-32e4fdfbf695
Reference Number: 0004

CERTIFICATE OF COMPLETION

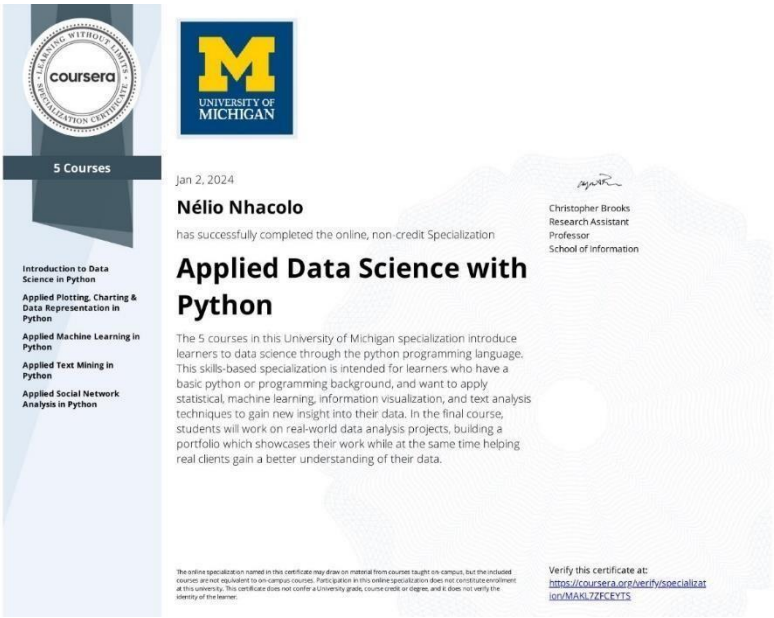
The Data Science Course: Complete Data Science Bootcamp

Instructors **365 Careers**

Nélio Lino Nhacolo

Date **Sept. 30, 2023**
Length **32 total hours**

Applied Data Science with Python (Specialization):



coursera

5 Courses

- Introduction to Data Science in Python
- Applied Plotting, Charting & Data Representation in Python
- Applied Machine Learning in Python
- Applied Text Mining in Python
- Applied Social Network Analysis in Python

UNIVERSITY OF MICHIGAN

Jan 2, 2024

Nélio Nhacolo

has successfully completed the online, non-credit Specialization

Applied Data Science with Python

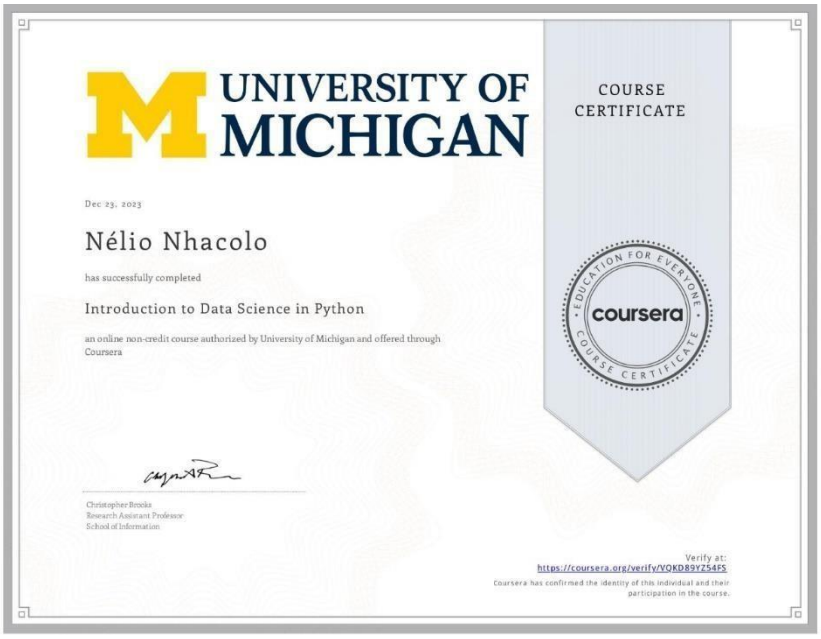
The 5 courses in this University of Michigan specialization introduce learners to data science through the python programming language. This skills-based specialization is intended for learners who have a basic python or programming background, and want to apply statistical, machine learning, information visualization, and text analysis techniques to gain new insight into their data. In the final course, students will work on real-world data analysis projects, building a portfolio which showcases their work while at the same time helping real clients gain a better understanding of their data.

Christopher Brooks
Research Assistant
Professor
School of Information

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.

Verify this certificate at:
https://coursera.org/verify/specialization/MAKL7ZFCEYTS

Introduction to Data Science in Python:



Applied Plotting, Charting & Data Representation in Python:

Applied Machine Learning in Python:

Applied Text Mining in Python:

Applied Social Network Analysis in Python:

UNIVERSITY OF MICHIGAN

COURSE CERTIFICATE

Jan 2, 2024

Nélio Nhacolo

has successfully completed

Applied Social Network Analysis in Python

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

Daniel Romero, Ph.D.
Assistant Professor
School of Information
University of Michigan

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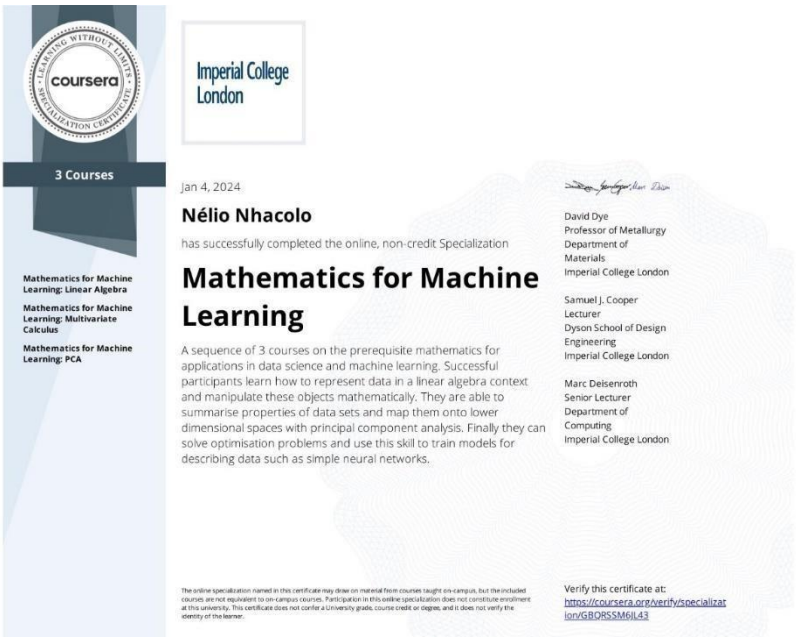
Verify at:
https://coursera.org/verify/NK4CK3DXRYEU
Coursera has confirmed the identity of this individual and their participation in the course.

Mathematics for Machine Learning Specializations



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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

Jan 4, 2024

Nélio Nhacolo

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

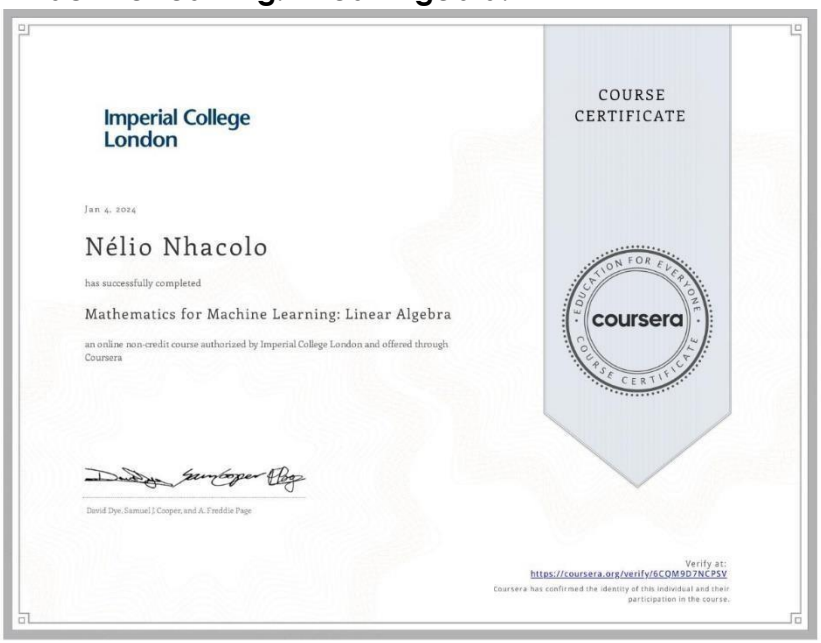
Samuel J. Cooper
Lecturer
Dyson School of Design Engineering
Imperial College London

Marc Deisenroth
Senior Lecturer
Department of Computing
Imperial College London

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.

Verify this certificate at:
https://coursera.org/verify/specialization/GBQRSSM6JL43

Mathematics for Machine Learning: Linear Algebra:



Imperial College London

COURSE CERTIFICATE

Jan 4, 2024

Nélio Nhacolo

has successfully completed

Mathematics for Machine Learning: Linear Algebra

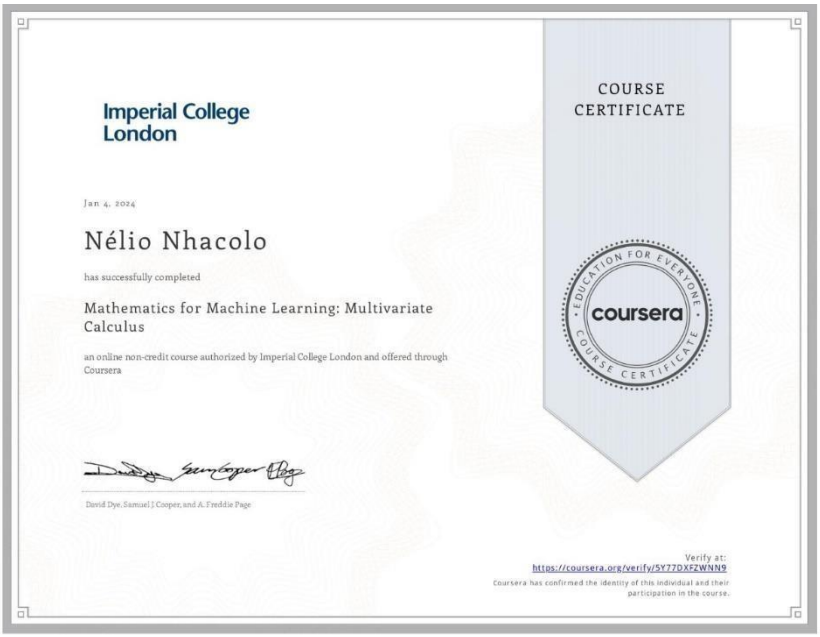
an online non-credit course authorized by Imperial College London and offered through Coursera

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

EDUCATION FOR EVERYONE · coursera · COURSE CERTIFICATE

Verify at:
https://coursera.org/verify/6COM9D7NCPSY
Coursera has confirmed the identity of this individual and their participation in the course.

Mathematics for Machine Learning: Multivariate Calculus:



Imperial College London

COURSE CERTIFICATE

Jan 4, 2024

Nélio Nhacolo

has successfully completed

Mathematics for Machine Learning: Multivariate Calculus

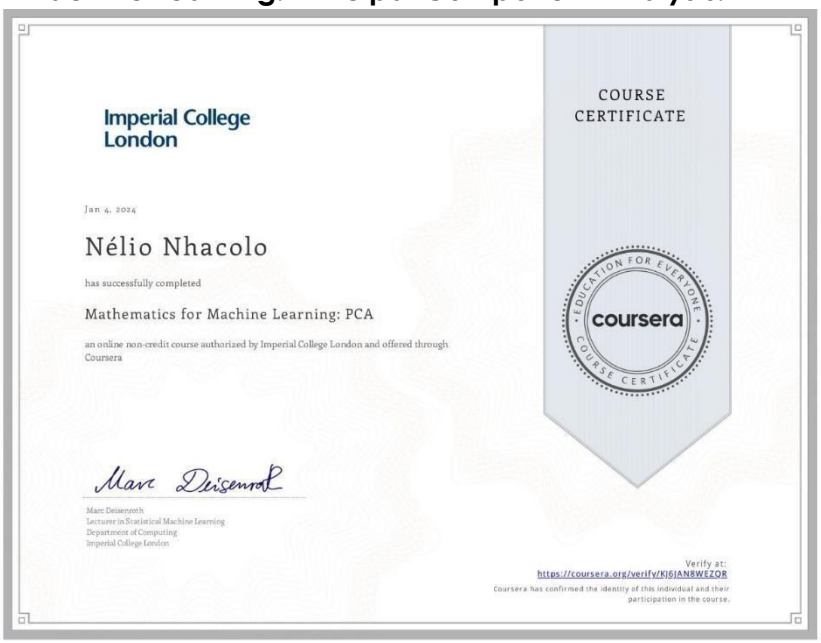
an online non-credit course authorized by Imperial College London and offered through Coursera

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

EDUCATION FOR EVERYONE · coursera · COURSE CERTIFICATE

Verify at:
https://coursera.org/verify/5Y77DXFZWNN9
Coursera has confirmed the identity of this individual and their participation in the course.

Mathematics for Machine Learning: Principal Component Analysis:



Imperial College London

COURSE CERTIFICATE

Jan 4, 2024

Nélio Nhacolo

has successfully completed

Mathematics for Machine Learning: PCA

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

Marc Deisenroth
Lecturer in Statistical Machine Learning
Department of Computing
Imperial College London

coursera

Verify at:
https://coursera.org/verify/KJ6JANRWEOR
Coursera has confirmed the identity of this individual and their participation in the course.

Data Science Math Skills:

Duke UNIVERSITY

COURSE CERTIFICATE

Jan 3, 2024

Nélio Nhacolo

has successfully completed

Data Science Math Skills

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

Daniel Egger
Executive in Residence and Director,
Center for Quantitative Modeling
Pratt School of Engineering

Paul Bendich
Assistant research professor of Mathematics
Associate Director for Curricular Engagement at the Information Initiative at Duke
Mathematics

coursera

Verify at:
https://coursera.org/verify/UDBS1869JWCG
Coursera has confirmed the identity of this individual and their participation in the course.

Machine Learning Foundations: A Case Study Approach:

UNIVERSITY of WASHINGTON

COURSE CERTIFICATE

Dec 28, 2023

Nélio Nhacolo

has successfully completed

Machine Learning Foundations: A Case Study Approach

a MOOC from the University of Washington and offered through Coursera

EDUCATION FOR EVERYONE · coursera · COURSE CERTIFICATE

Emily Fox
Amazon Professor of Machine Learning
Statistics

Carlos Guestrin
Amazon Professor of Machine Learning
Computer Science and Engineering

Verify at:
https://coursera.org/verify/W5G3XQZZ8SWE
Coursera has confirmed the identity of this individual and their participation in the course.

Applied Social Network Analysis in Python
University of Michigan
Grade Achieved: 96.26%

Introduction to Data Science in Python
University of Michigan
Grade Achieved: 97%

Mathematics for Machine Learning: PCA
Imperial College London
Grade Achieved: 98.62%

Mathematics for Machine Learning: Multivariate Calculus
Imperial College London
Grade Achieved: 99.25%

Applied Machine Learning in Python
University of Michigan
Grade Achieved: 90.17%

Machine Learning Foundations: A Case Study Approach
University of Washington
Grade Achieved: 96.34%

Data Science Math Skills
Duke University
Grade Achieved: 91.98%

Applied Text Mining in Python
University of Michigan
Grade Achieved: 92.08%

Applied Plotting, Charting & Data Representation in Python
University of Michigan
Grade Achieved: 100%

Mathematics for Machine Learning: Linear Algebra
Imperial College London
Grade Achieved: 98%