europass Curriculum vitae

PERSONAL INFORMATION

ANTHONY NWACHUKWU

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https://www.linkedin.com/in/anthony-nwachukwu-92185610b/ https://github.com/Tony-MTH/

Skype live:nwachukwuanthony2015

PREFERRED JOB

Machine Learning /Data Analyst /Programmer

WORK EXPERIENCE

Jan 2018–Present

Online Instructor

Udemy
https://www.udemy.com/user/nwachukwu-anthony-chukwuemeka/?src=sac&kw=anthony

Teaching the use of MATLAB and MATLAB Simulink in solving several mathematical problems encountered in sciences and engineering.

Business or sector Education

Jun 2016–Feb 2017

MATLAB Facilitator

Mechanical Department, Federal University of Technology Owerri, Owerri (Nigeria)
https://futo.edu.ng/seet/mech-engr/

- Designed a well structured curriculum and a lecture note for the Control System Laboratory Work using the Control system's syllable from the university and the MATLAB control system's toolbox from Mathworks.
- Designed and programmed an application that determines deformations and stresses at various points of the short cylindrical shells and an application that predicts Scheffe's and Osadebe's Compressive Strength models of mixtures given arbitrarily chosen mixes using MATLAB programming environment.
- Wrote a program that computes anova and polynomial fit on data from stock market, and simulated seven simultaneous differential equations with seven variables that models the interaction between species in a predator-prey population with MATLAB simulink.
- Taught the above curriculum content to the final year students of Mechanical Engineering department.

Business or sector Education

EDUCATION AND TRAINING

Jul 2019–Jun 2020

Master of Nanotechnology

University of Technology Gdansk, Gdansk (Poland)
https://pg.edu.pl/welcome

Sep 2018–Jul 2019

Masters of Scientific Computing

University of L'Aquila, L'Aquila (Italy)
http://univaq.it/

Nov 2009–Oct 2014

Bachelor of Technology in Mathematics

Federal University of Technology Owerri, Owerri (Nigeria)

www.futo.edu.ng

PERSONAL SKILLS

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Italian	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills

Good communication skills gained through involvement in leadership positions like President of Community Development Service during the National Youth Service Corps and as the President of Deeper Life Campus Fellowship while an undergraduate.

Organisational / managerial skills

Good organisational, management and team-leading skills gained through involvement in leadership positions like President of Community Development Service during the National Youth Service Corps and as the President of Deeper Life Campus Fellowship while an undergraduate.

Job-related skills

- Data analytics - Through IBM online course on coursera.org and classroom Data analysis course, I can acquire and store data, retrieve it, calculate the data statistics, carefully study the data by use of charts and statistical tools to discover hidden trends using MATlab, Python, Numpy, Pandas and other Python libraries.
- Machine Learning - By classroom study, Prof Andrew Ng online course on Machine learning and semester projects and personal research, I understand the mathematics of and can perform Principal Components Analysis, Support Vector Machines, K-Means and Agglomerative Clustering, Regression, Decision Trees and Neural Networks. I was able to implement them with Python.
- Deep Learning - By Andrew Ng Deep learning course on deeplearning.ai and Jeremy Howard Practical Deep Learning for Coders course on fast.ai, I have been able to grasp a firm understanding of both theory and practical implementation of Neural Networks and Convolution Neural Network and have been able train some models based on the knowledge from these and still pushing towards Natural Language Processing. I have practical understanding of Regularization, Hyperparameter tuning, optimization and transfer learning.
- Big data Models and Analytics - By classroom works and personal projects, I have understanding of MapReduce and text mining from large documents.
- Parallel Programming - Through classroom and semester project, I have understanding and can develop parallel algorithms for machines with multiple cores.

ADDITIONAL INFORMATION

Projects

- Monte-Carlo simulation of 2D Ising Model with MATLab (Personal Project)
- Machine Learning Modeling of p53 Cancer Mutants with Python and Tensorflow (Group Project)
- Predicting the Seasons using sky and environments images; Deep Learning Approach with Pytorch (Personal Project)
- Parallel implementation of Matrix-Matrix multiplication using FORTRAN (Group Project)
- Bias Extension Test on Non-linear Euler Beam using Comsol Physics (Group Project)
- Text Analysis - Finding the theme of a set of documents using Python (Personal Project)
- Text Analysis - Descriptive statistics of words in a given document with Python (Personal Project)
- Image Gallery with HTML, CSS and JavaScript (Personal Project)

Summer Schools

- Deep Learning Summer School, Gdansk, July, 2019

- Mathematical Statistics and Numerical Analysis of Network flow, Perugia, July/August, 2019
- Mathematics of Deep Learning, BMS Berlin, August, 2019

Online Courses and Certifications

- Programming with Python (Coursera - Michigan State University)
- Data Science Specialization (Coursera - IBM)
- Data Structures and Algorithm (Udacity)
- Introduction to Big Data (Coursera - John Hopkins University)
- Machine Learning (Coursera - Stanford University)
- Deep Learning (Coursera - deepLearning AI)
- HTML, CSS and JavaScript (Coursera - Hong kong University of Science and Technology)

Declaration

I agree to the processing of my personal data for the purposes of the recruitment process in accordance with Article 13 (1) and (2) of Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016.