Alexandre C. Yano

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EXPERIENCE

Math Content Writer, Study.com — Jun 2021 – Present
- Creates and writes step-by-step explanations to problems that students a better understanding of the concepts.

Mathematics Teacher, NECPrep School, — Feb 2021 – Jul 2021
- Taught High School Mathematics (NC Math 3 and 4).

Data Science for COVID-19 Participant, — Jan 2020 – Dec 2020
- Was part of a team at Purdue Fort Wayne that is currently studying statistical methods and its and its applications to epidemiology to help understand COVID-19.

TA for Mathematical Modelling and Applied Statistics, Duke TIP — Jun 2018–Aug 2018
- Engaged in Mathematical analysis and helped students delve into the math of data analysis using real-world problems.
- Established successful methods that helped students applying mathematical induction, calculus, and statistics to prove general statements in math.

Development Workshop NGO, Intern (CEDOC), DW — Jun–Aug 2014
- Assisted the DW team in multiple tasks, including, but not limited to, support to the Center for Documentation which archives sections of several Angolan newspapers related to social infrastructure.

EDUCATION

MSc. in Applied Mathematics, Purdue University, Fort Wayne, IN — Dec 2020
- GPA: 3.3

BSc. in Mathematics, Methodist University, Fayetteville, NC — May 2019
- Minor in Computer Science | GPA: 3.43

International Baccalaureate (IB), Li Po Chun UWC of Hong Kong — May 2015

RELEVANT COURSE WORK
- Linear Algebra
- Data Structure and Algorithms
- Object Oriented Programming

EXTRA ACTIVITIES

BCG – Virtual Experience Program, Forage (cert.) — 2020
Modulus completed: Market Research | Understanding consumer needs | Data Analysis | Client Recommendation

Data Science and Machine Learning Bootcamp with R, Udemy (cert.) — 2020

LANGUAGES AND SKILLS

Languages Portuguese (*native*), English (*Fluent*), Spanish (*Intermediate*)

Skills Python, R, R-Shiny, HTML, CSS and JavaScript
Familiar with SQL, MATLAB, PySPark, TensorFlow 2 and Keras

PROJECTS

[1] Classification of Mice by Their Protein Expressions – Project — 2020

[2] A Simple Neural Network – Github

[3] J. Asher, N. Hinniger, T. Kelly, P. Klopfenstein, M. Masters, S. Owusu, R. Ruble, W.K. Sellers, A. Yano. The Batch Effect and the Necessity of Metadata Standardization Github — 2020