Alexandre C. Yano

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https://alexandrecyano.github.io

EXPERIENCE

Data Scientist (Volunteer),   Jan 2016–Present
- Volunteer as 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.
- Actively provide data analytics insights to smalls organizations in Angola that focus on child development and youth.

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   Expected Graduation: Dec 2020

BSc. in Mathematics, Methodist University, Fayetteville, NC   May 2019
- Minor in Computer Science
- Dean's List

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

RELEVANT COURSE WORK

- Time Series Analysis with Alessandro Selvitella, PhD
- Optimization Problems
- Probability
- Linear Algebra

AWARDS

Math Jeopardy Finalist, MAA-SE, Math Jeopardy   2018 and 2019

One Thing Award, Methodist University, SGA   2018

EXTRA ACTIVITIES

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

Complete Python Developer in 2021: Zero to Mastery, Udemy (cert.)   2020

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

LANGUAGES AND SKILLS

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

Skills Python, C++, MATLAB, Java, SQL, git,Web Scrapping, Basic html, LaTeX, PySPark, TensorFlow 2 and Keras

PROJECTS

[1] 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

[2] L. Le, J. Asher, N. Hinniger, T. Kelly, P. Klopfenstein, M. Masters, S. Owusu, R. Ruble, W.K. Sellers, A. Yano. Deep Learning in Wireless Communications. Github   2020

[3] Percetron. A Simple Neural Network. Github