

Alexandre C. Yano

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EDUCATION	MSc. in Applied Mathematics , Purdue University, Fort Wayne, IN BSc. in Mathematics , Methodist University, Fayetteville, NC • Minor in Computer Science International Baccalaureate (IB) , Li Po Chun UWC of Hong Kong	Dec 2020 May 2019 May 2015
LANGUAGES AND SKILLS	Languages Portuguese (<i>native</i>), English (<i>Fluent</i>) Programming Languages Python, R, Dart and SQL Framework Google Flutter, R-Shiny, TensorFlow2 and Keras	
EXPERIENCE	Math Content Writer , Study.com • Design Math questions using Latex and make use of tools like Geogebra to draw relevant figures to add more clarity to the questions. Graduate Teaching Assistant , Purdue Fort Wayne • Taught two Precalculus classes and worked with senior instructors on the creation of new strategies for better content delivery. Data Science for COVID-19 Participant , • Was part of a team at Purdue Fort Wayne that is currently studying statistical methods and its applications to epidemiology to help understand COVID-19. TA for Mathematical Modelling and Applied Statistics , Duke TIP • 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	June 2021 – Present Aug 2019–Dec 2020 Jan 2020 – Dec 2020 Jun 2018–Aug 2018 Jun–Aug 2014
RELEVANT COURSE WORK	• Linear Algebra • Optimization Problems • Data Structure and Algorithms • Statistical Learning	
EXTRA ACTIVITIES	BCG – Virtual Experience Program , Forage (cert.) Market Research Understanding consumer needs Data Analysis Client Recommendation Data Science and Machine Learning Bootcamp with R , Udemy (cert.) Complete Tensorflow 2 and Keras Deep Learning Bootcamp , Udemy (cert.)	2020 2020 2020
PROJECTS	[1] Classification of Mice by Their Protein Expressions – Project [2] 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 2020