

# Alexandre C. Yano

alexandremano@hotmail.com  
<https://alexandremano.github.io>

EXPERIENCE	<b>Graduate Teaching Assistant, Purdue University, Fort Wayne</b> Aug 2019–Dec 2020 <ul style="list-style-type: none"><li>• Worked as a math tutor for lower and higher level Math.</li><li>• Worked as the main instructor for two college algebra classes under the supervision of a senior staff.</li></ul> <b>TA for Mathematical Modelling and Applied Statistics , Duke TIP</b> Jun 2018–Aug 2018 <ul style="list-style-type: none"><li>• Engaged in Mathematical analysis and helped students delve into the math of data analysis using real-world problems.</li><li>• Established successful methods that helped students applying mathematical induction, calculus, and statistics to prove general statements in math.</li></ul> <b>Development Workshop NGO, Intern (CEDOC), DW</b> Jun–Aug 2014 <ul style="list-style-type: none"><li>• 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.</li></ul>
EDUCATION	<b>MSc. in Applied Mathematics, Purdue University, Fort Wayne, IN</b> Dec 2020 <b>BSc. in Mathematics, Methodist University, Fayetteville, NC</b> May 2019 <ul style="list-style-type: none"><li>• Minor in Computer Science</li><li>• Dean's List</li></ul> <b>International Baccalaureate (IB), Li Po Chun UWC of Hong Kong</b> May 2015
RELEVANT COURSE WORK	<ul style="list-style-type: none"><li>• Time Series Analysis</li><li>• Optimization Problems</li><li>• Linear Algebra</li><li>• Complex Analysis</li><li>• Partial Differential Equations</li></ul>
AWARDS	<b>Math Jeopardy Finalist, MAA-SE, Math Jeopardy</b> 2018 and 2019 <b>One Thing Award, Methodist University, SGA</b> 2018
EXTRA ACTIVITIES	<b>BCG – Virtual Experience Program , Forage</b> (cert.) 2020 o Modulus completed: Market Research   Data Analysis   Understanding consumer needs   Client Recommendation   Next Steps <b>Data Science and Machine Learning Bootcamp with R, Udemy</b> (cert.) 2020 <b>Complete Tensorflow 2 and Keras Deep Learning Bootcamp, Udemy</b> (cert.) 2020
LANGUAGES AND SKILLS	<b>Languages</b> Portuguese ( <i>native</i> ), English ( <i>Fluent</i> ), Spanish ( <i>Intermediate</i> ) <b>Skills</b> Python, R, git, Basic html and $\LaTeX$ Familiar with SQL, MATLAB, AWS, 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 <a href="#">Github</a> 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. <a href="#">Github</a> 2020 [3] Percetron. A Simple Neural Network. <a href="#">Github</a>