

Alexandre Yano

alexandrecyano.github.io

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Education

- 2019–2020 **Purdue University, Fort Wayne, IN**, *M.Sc., Applied Mathematics.*
- 2015–2020 **Methodist University, Fayetteville, NC**, *B.Sc., Mathematics.*
Minor in Computer Science
- 2013–2015 **Li Po Chun, Hong Kong**, *IB, International Baccalaureate.*

Technical Skills

- Coding & Designing Dart, Python, HTML, CSS, JS, Data Structures & Algorithms
- Tools Android Studio, VS-Code, Git
- Database Familiar with MySQL, MongoDB, Firebase
- Framework Flutter, R-Shiny, React
- Operating System Linux, Windows

Work Experience

- June 2021 – **Math Content Writer**, STUDY.COM, Remote.
Present Design Math questions using Latex and make use of tools like Geogebra to draw relevant figures to add more clarity to the questions.
- Aug 2020 – **Data Science for COVID-19 Participant**, PURDUE FORT WAYNE, IN.
Dec 2020 Collaborated with senior researchers in the exploration and implementations of statistical methods and its applications in epidemiology to help on the understanding of COVID-19.
- June 2018 – **TA for Mathematical Modelling and Applied Statistics**, DUKE TIP, NC.
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.

Extra Activities

- May 2020 – **BCG – Virtual Experience Program: Strategy Consulting.**
June 2020 Modulus completed: Market Research | Understanding consumer needs | Data Analysis | Client Recommendation
- 2018 and 2019 **Math Jeopardy Finalist - MAA-SE, Math Jeopardy.**
Finalist of The Southeastern Section of the Mathematical Association of America Math Jeopardy in 2018 and 2019

Projects

- May 2020 **The Batch Effect and the Necessity of Metadata Standardization.**
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](#)

Oct 2020 **A Simple Neural Network(from scratch).**

A Simple Neural Network – Github

Jan 2020 **COVID-19 data Visualization – Google Colab.**

A notebook showing a diverse set of visualizations of the spread of COVID-19 around the world.

July 2014 **UI with R Shiny.**

UI to Help on the Classification of Mice by Their Protein Expressions – Youtube - Data Science Week