

# CURRICULUM VITAE

Alex Akira Okuno

## EDUCATION

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- **New York University (NYU)** — *PhD in Operations Management* — 2023-2028 — GPA: 4.0 / 4.0
- **University of São Paulo (USP)** — *MSc in Statistics* — 2020-2022 — GPA: 4.0 / 4.0
- **Fundação Getulio Vargas (FGV)** — *BSc in Economics* — 2016-2019 — GPA: 8.27 / 10.0

## RESEARCH

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1. **Increasing Parents' Engagement on Ed-Tech Platforms: Evidence from the Field** (with [Singhvi, D.](#), [Singhvi, S.](#), and [Goyal, N.](#))
  - *People's Choice Award, Early Career Sustainable OM Workshop (2024)*
  - *Presented at 2024 POMS Annual Conference Empirical Research in Operations Management Track*
2. **BlockBoost: Scalable and Efficient Blocking through Boosting:** with [Orenstein, P.](#), [Imbuzeiro, R.](#), [Nissenbaum, L.](#), [Schuller, R.](#), and [Ramos, T.](#) *International Conference on Artificial Intelligence and Statistics (2024).*
3. **LatinX in AI Workshop @ ICML 2021** — *Oral and Poster Presentations*
  - [Okuno, A., Maia Polo, F., \(2021\).](#) OCDE: Odds Conditional Density Estimator. International Conference on Machine Learning: LatinX in AI (LXAI) Research Workshop 2021, Virtual.
  - [Okuno, A. Ferreira, A., \(2021\).](#) Generalized linear tree, a flexible algorithm for predicting continuous variables. International Conference on Machine Learning: LatinX in AI (LXAI) Research Workshop 2021, Virtual.
4. **Flexible conditional density estimation for time series:** with [Izbicki, R.](#), [Stern, R.](#) and [Grivol, G.](#)

## WORK EXPERIENCE

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- **Safra Bank** — *Data Scientist* — FEB 2021 - MAR 2022  
I worked mainly with web scraping to collect daily price data (supermarkets, vehicles, housing, airline tickets, and marketplaces) in order to do statistical models to predict IPCA, the Brazilian most important inflation index. I have also worked with card transaction data to create GDP indices and predict commerce and services gross product in Brazil (PMC/PMS).
- **Artefact** — *Data Scientist* — DEC 2018 - SEP 2019  
Demand forecasting for beverage retail industry; Time series analysis for retail strategic planning; Image processing.
- **Interamerican Development Bank (IDB)** — NOV 2019 - MAR 2020  
I worked with professor Daniel da Mata (FGV EESP) on a consulting project for IDB. The purpose of this project was to produce a database with urban-related variables for slums in Brazil at the census tract level, using data from satellite imagery and geospatial data.

## TEACHING

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- **FGV** — *Python Programming teacher* — AUG 2018 - AUG 2021

I was responsible for a Python programming course at FGV's professional master in economics (MPE) course.

- **FGV** — *Teaching Assistant:*

- *Financial Mathematics* — FEB 2017 - APR 2017
- *Statistics* — AUG 2017 - DEC 2017
- *Data Science Project* — JUL 2018 - DEC 2018

- **NYU** — *Microeconomics Teaching Fellow* — SEP 2023 - DEC 2023

## HONORS AND AWARDS

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- **First place in the Brazilian Econometric Game 2017**
- **FGV's Best Career Project Award - 1st place**
- **FGV's Best Microeconomics Project Award - 2nd place**
- **FGV's Best Economics Undergraduate Thesis Award**
- **FGV's Innovation and Social Contribution Award:** This award was granted to me because I am one of the founders of the student society GVCode in FGV, a group for undergraduate students who work on consultancy and research projects with professors, applying knowledge of programming, statistics, and economics.