

# Jonathan H. Hori

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## PROFESSIONAL EXPERIENCE

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### Lark Health

Mountain View, CA

*Data Scientist*

August 2019 – July 2022

- Led the development of a time series clustering model to identify subgroups of patients exhibiting distinct patterns of engagement. First-authored a paper detailing methods and resulting subgroups in Lark's data
- Developed and deployed a predictive model to score patients' probabilities of reaching internal engagement and revenue milestones, and collaborated with product teams to incorporate model into ongoing patient monitoring and outreach campaigns
- Partnered with product, business, and engineering teams to build data visualizations, dashboards, reports, and pipelines for internal and external use
- Advised product and growth teams on experimental design strategies, and used statistical and visualization techniques to analyze and communicate results
- Managed and presented at weekly training sessions, journal club meetings, and technical team onboarding. Supervised three junior team members and interns.

### Citigroup Global Markets

New York, NY

*Emerging Markets Research Analyst*

July 2018 – July 2019

- Designed, implemented, and maintained a program to predict future Mexican inflation surprises using scikit-learn and web-scraped data, and published biweekly reports on model predictions and performance
- Built an internal trading strategy backtesting tool to assess out-of-sample strategy performance of foreign exchange, rates, and multi-asset portfolios
- Modeled economic and market variables using linear, logistic, and vector auto-regression for research studies
- Analyzed market and macroeconomic data to publish trade ideas, market commentary, and papers on events, trends, and opportunities in Latin America for corporate and institutional investors

## EDUCATION

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### University of California, Los Angeles

Expected, June 2024

*Master of Science, Biostatistics* | GPA: 4.0

### The University of Chicago

June 2018

*Bachelor of Science, Mathematics and Economics* | Awards: Dean's List, General Honors

## SKILLS

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**Technical:** Data visualization, statistical analysis, data processing, technical communication, prediction, experimentation, data engineering

**Programming:** Python (pandas, scipy, numpy, pyspark, scikit-learn, xgboost, seaborn, matplotlib), R (dplyr, ggplot2), SQL, Spark, Git, Docker, MLflow, Databricks, SAS

**Language:** Proficient in German