

Jonathan H. Hori

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SUMMARY

Graduate student with four years of professional data science experience in healthcare and financial industries. Demonstrated experience developing and deploying machine learning and statistical models, and working collaboratively with diverse stakeholders.

PROFESSIONAL EXPERIENCE

University of California, Los Angeles

Graduate Student Researcher

Los Angeles, CA

February 2023 - Present

- Collaborate with Dr. Jin Zhou to develop and evaluate dynamic risk prediction models for diabetic patients

Lark Health

Data Scientist

Mountain View, CA

August 2019 – July 2022

- Led the development and production 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

Emerging Markets Research Analyst

New York, NY

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
- 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 & AWARDS

University of California, Los Angeles

Master of Science, Biostatistics | GPA: 4.0

Expected, June 2024

Recipient of 2023 Karen Toffler Charitable Trust Student Research Award

The University of Chicago

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

June 2018

SKILLS

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, Databricks, SAS, LaTeX