

HARSH R. SINHA

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EDUCATION

HARVARD COLLEGE

Cambridge, MA

A.B. in Statistics

May 2020

- Concentration GPA: 3.80
- Teaching Fellow (Dept. of Statistics), Research Assistant (Dr. Stéphane Verguet), Maru-a-Pula Scholar
- Relevant Coursework: Causal Inference, Machine Learning, Generalized Linear Models, Probability

WORK EXPERIENCE

FACEBOOK

Menlo Park, CA

Data Scientist (Facebook Reality Labs)

Aug 2020 - Present

- Lead DS for the AI voice assistant on a future hardware product (Sept. 2021 launch)
- NDA

TRIPADVISOR

Greater Boston Area

Data Science Intern (Experiences Team)

May – Aug 2019

- Boosted sort rankings of experiences associated with customer retention by using logistic regression to model a customer's likelihood of returning to book on the platform within one year of completing a particular experience
- Used Shapley Additive (SHAP) Explanations from an XGBoost Tree to identify features at the product level which led to poor conversion performance - results used to rehabilitate underperforming experiences

LOGITECH

San Francisco Bay Area

Data Analytics Intern (Luxury Earphones Group)

May – Aug 2018

- Optimized web traffic flow (25,000 MAU) towards “add to cart” for the launch of Logitech's UE Pro earphones using A/B experimentation
- Used Multi-armed bandit algorithms to optimize CPC, CTR, and CPA based advertising metrics across Ad Sets on Facebook's Ad Manager platform (\$20,000 monthly budget)
- Created analytics dashboards to track conversion metrics, attribution sources, and customer demographics

VOLUNTEER & RESEARCH

HARVARD T.H. CHAN SCHOOL OF PUBLIC HEALTH

Boston, MA

Research Assistant (Dr. Stéphane Verguet)

Dec 2015 – May 2020

- Mathematically identified worse-off populations via age of death inequalities across 9 EU nations, Japan, & the US between 2005-2017. Publication: [Mathematically Identifying Worse-off Populations](#)

REFRESH BOLIVIA 501C (3)

Cochabamba, Bolivia

Director

Jan 2016 – Jan 2018

- Raised > \$60,000 in international development grants to fund research and the construction of medical facilities
- Constructed twelve “micro-flush” bathroom units (< 100 ml. of water per flush, 100% self-sustainable)
- Recognized in the national newspaper of Bolivia, *La Razón*

SKILLS AND INTERESTS

Technical: HTML/CSS, JavaScript, Matplotlib, MongoDB, Node.js, NumPy, Pandas, Python, React, R, Sk-learn, SQL

Projects: [Spotify Song Recommendation Algorithm](#)

Portfolio: www.hsinha.io

Interests: AI, Brain-Computer Interfaces, Effective Altruism, Personal Finance, Stand-Up Comedy, Value Investing

Travel: Visited all 50 US states and 100 UN countries by age 24 (world record). Story: [The Harvard Gazette](#)