

Technical people leader with 10 yrs of product analytics / strategy experience. I thrive when growing culturally strong, high-performing teams; driving collaborative decision-making for technical products; and telling data-driven stories that make strategic business decisions clear. To quote a Senior Facebook VP, “your messaging is so clear, I want you to come to all my meetings.”

EXPERIENCE

Meta / Facebook

San Francisco, CA

Head of Data Science, Facebook Marketplace Integrity

2021 - Present

- Lead strategy and roadmap for analytics team (data scientists, engineers, analysts) supporting product org responsible for all enforcement on harmful/violating content on FB Marketplace (covering machine learning models and data-driven policies)
- Drove analytics efforts enabling a 40% reduction in global scam over 6 months, with sustained improved performance over Q2
- Launched product change to close loophole used by 85% of scammers in key category; led development of framework to demonstrate how change would impact scammers at 90% precision; secured cross-org buy-in and execution support
- Led strategic data product work enabling 4x faster identification of scam trends and executive visibility into operational progress. *Select team wins include:* improved scam measurement reliability (33% reduction in variability); built self-serve monitoring of regional, categorical scam for non-technical audiences; secured executive buy-in on opex resources for improving data fidelity

Senior Data Scientist, Tech Lead (Ads, Core Machine Learning)

2020 - 2021

- Collaborated with engineering leadership to drive analytics roadmap for ads ranking machine learning after platform and legislative privacy impacts (e.g. iOS 14); secured DS bandwidth from other teams to support demand we could not staff fully
- Wins include: Built feature importance and coverage tool used widely within the Ads org for prioritizing mitigation work; drove experimental measurement of privacy impacts / success of shipped mitigations; communicated evolving findings to executives

Out for Undergrad (O4U), National 501c3 non-profit supporting LGBTQ undergrad professional development New York, NY

Chair of the Board (2021 – Pres), Board of Directors (2018 – Pres)

2013 – Pres

- Lead the 9-member Board of Directors, responsible for strategic direction of org with \$2M P&L, 2 FTE, 100 volunteers
- Hired second FTE (Chief of Staff); developed review process and manage performance for Executive Director
- Decisively led shift to virtual operating model in 2020-2022, leading to increase in reserves to 1 year of expenses (long-running org goal), saving over \$100k in expenses thanks to early in-person cancellations, and expanding students reached by 5%

Airbnb

San Francisco, CA

Data Scientist (Trust & Safety)

2019

- Improved global coverage of critical user data from 34% to 95% at 96% accuracy w/lightweight classification model; model in production use by 4+ teams within first weeks and still actively in use in 2022
- Developed heuristics to proactively intervene against risky (50x+ versus avg user) populations with minimal harm to good users (including the “[party house](#)” rules); drove communication and secured executive (VP) buy-in

Boston Consulting Group

Chicago, IL

Associate > Consultant (direct promotion to post-MBA position)

2012 – 2015

- Developed data-informed strategies for Fortune 100 businesses, collaborating w/executive-level mgmt (select projects below)
- **Patent data analytics:** Developed patent-driven approach using publicly-available data to identify 140+ product opportunities for polymers business of Fortune 100 company; standardized approach for use in future BCG IP projects
- **Cost reduction dashboard:** Built diagnostic tool for user-identification of organizational efficiency opportunities; managed tracking of resulting \$300M in identified cost reductions across 14 business units at Fortune 100 client

EDUCATION

University of Michigan, Ann Arbor — Ph.D. in Scientific Computing & Chemical Engineering (2015 – 2020) Ann Arbor, MI

- NSF Graduate Research Fellow, ACM SIGHPC/Intel Computational Science Fellow, Point Foundation Scholar

Massachusetts Institute of Technology — B.S. in Chemical Engineering, minor in Writing (2012)

Cambridge, MA

TECHNICAL SKILLS

Code Python (including object-oriented programming), SQL, git, bash

Data Pipelines (e.g. Airflow), Hadoop (incl. MapReduce), Hive, dashboards (Superset, Tableau), Excel/Google Sheets

INTERESTS

Recreational hockey, sailing, learning Mandarin to win over my in-laws, day hikes with my 11lb Shih Tzu (Daisy) in a backpack