

# DAN TABER

# DATA SCIENTIST, AI ETHICS LEAD

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## SUMMARY

PhD and research pioneer, I have used data science to drive organizational change for 15 years. Recently, I've specialized in governance of enterprise AI and machine learning systems. I launched and grew an AI Ethics program at a major global tech company with 100+ data scientists. An experienced cross-functional leader and skilled communicator, I thrive in ambiguous roles with no blueprint to follow.

## EMPLOYMENT

**Staff Product Scientist, AI Ethics Lead, *Indeed*, Seattle, WA** Feb. 2018 - May 2021

- Launched and scaled program to define, measure, and improve the company's use of responsible AI
- Designed algorithm audit process; advised data scientists on how to integrate responsible AI into machine learning
- Evaluated the business and ethical impact of product changes using machine learning, experiments, and causal inference
- Successfully advocated to recruit a 10-member, cross-functional team to advance responsible data science applications

**Founder, CEO, *Science By Design*, Seattle, WA** Apr. 2017 - Current

- Founded a company that combines data science with graphic design to enhance science communication
- Co-created AI Blindspot to help organizations learn and disseminate responsible AI practices
- Designed a recommender system that delivers trustworthy research to science-based organizations

**Vice President of Research & Evaluation, *Healthy Food America*, Seattle, WA** July 2016 - Mar. 2017

- Forecasted the impact of policy changes in the 20 largest cities in the U.S., in collaboration with researchers and city leaders
- Informed policy changes in 6 major U.S. cities, affecting more than 5 million citizens
- Organized a national meeting of academic, government, and industry leaders on using technology to improve health surveillance

**Assistant Professor, *U. Texas Health Science Center at Houston*, Austin, TX** July 2013 - June 2016

- Awarded a 5-year grant to use complex systems models to predict public policy impact on public health disparities
- Authored dozens of scientific papers; delivered 16 talks in the U.S., Mexico, Canada, Europe, South Africa
- Designed new PhD course on complex systems modeling (agent-based models, system dynamics, social network analysis)

**Research Scientist, *U. Illinois at Chicago*, Chicago, IL** July 2010 - June 2013

- Led statistical analyses and programming for team of senior scientists and economists on 14 studies
- Designed models to estimate the causal effect of policy and environmental factors on health behavior
- Pioneered the first study to quantify the impact of state laws on weight change among children

## EDUCATION

### Harvard University

Fellow AI Ethics & Governance 2019

### U. North Carolina-Chapel Hill

PhD Epidemiology 2010

### U. Washington

MPH Health Services 2005

### Pomona College

BA Religious Studies 1999

## SKILLS

**PROGRAMMING:** Python, SQL, R, AWS, PostgreSQL, MongoDB, Tableau, SAS, Hive

**DATA SCIENCE:** Regression, random forests, boosting, KNN, SVM, PCA, K-means clustering, natural language processing, time series analysis, Bayesian statistics, causal inference, experimental design

**MARKETING & COMMUNICATIONS:** Business founder, public speaking, media interviews, podcasts