

Forrest W. Crawford, PhD

forrest.crawford@yale.edu

www.crawfordlab.io

Professional Experience

Senior Statistician (2023 – present)

RAND Corporation, Santa Monica, CA

- Led teams working on biosecurity, AI, emerging technology
- Briefed high-level US Government policymakers

Adjunct Associate Professor (2024 – present)

Associate Professor with Tenure, Biostatistics, Statistics & Data Science, Operations Management, Ecology & Evolutionary Biology (2012 – 2024)

Yale University, New Haven, CT

- Received NIH Director's New Innovator Award (\$1.5MM)
- Built and led a research lab of quantitative scientists working on methodology, modeling, causal inference, with applications in biomedicine, infectious disease epidemiology, public health, social science.
- Published 80+ peer-reviewed articles; H-index 32, 4k+ citations
- Gave 100+ invited presentations at university/industry seminars, legislative briefings, conferences
- Led data science and modeling for Connecticut and Department of Public Health during COVID-19 pandemic
- Advised 6 postdocs, 7 PhDs, 3 MS; placed in tenure-track, Google, Meta, Amazon, Netflix, CDC, FDA

Senior Scientist (2021 – present)

Whitespace LTD, Alexandria, VA

- Led R&D and built analysis tools for geospatial intelligence startup

Scientific Consultant / Subject Matter Expert (2018 – present)

Selected clients:

- OpenAI (San Francisco, CA)
- Twist Bioscience / Revelar Biotherapeutics (South San Francisco, CA)
- Metron Inc (Reston, VA)
- Global Diagnostic Systems (Potomac, MD)
- US Department of Labor, Project to Accelerate Action Against Child Labor and Forced Labor
- US Department of State, NORC (Bethesda MD), Global Fund to End Modern Slavery

Education

PhD Biomathematics, University of California Los Angeles (2012)

MS Biomathematics, University of California Los Angeles (2009)

BA Neuroscience, Oberlin College (2002)

Skills

I have broad expertise in quantitative science and analysis – mathematics, statistics, computation – as well as 20 years experience in biomedical science, biotechnology, bioengineering, neuroscience, public health, and epidemiology.

- Leadership: project management, product strategy, technical R&D, mentoring
- Evaluation: causal inference, policy analysis, randomized experiments, A/B testing
- Programming/computing: Python, R, Git, Unix/Linux
- Methodologies: AI/ML, modeling, GIS, forecasting/prediction, optimization, algorithms