

Contact

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(LinkedIn)

Certifications

Engineer In Training

Water Systems, Science, and
Society

Honors-Awards

National Science Foundation
Graduate Research Fellowship

Tufts University Provost's Fellowship

National Science Foundation Future
Leaders in Engineering Fellowship

Chancellor's Fellowship, University
of North Carolina at Chapel Hill

Ibrahim Fellowship, University of
North Carolina at Chapel Hill

Publications

A Simple Stated Preference Tool for
Estimating the Value of Travel Time
in Rural Africa.

Marketing Household Water
Treatment: Willingness to Pay
Results from an Experiment in Rural
Kenya.

Video Surveillance Captures Student
Hand Hygiene Behavior, Reactivity
to Observation, and Peer Influence
in Kenyan Primary Schools.

Opportunities for Forecast-Informed
Water Resources Management

A Grand Prediction: Communicating
and Evaluating 2018 summertime
Upper Blue Nile rainfall and
streamflow forecasts in preparation
for Ethiopia's new dam

Annalise Blum, PhD

Deputy Assistant Secretary for Water and Science at Department of
the Interior | Hydrologist

Washington, District of Columbia, United States

Summary

Environmental engineer and hydrologist with expertise in climate,
water and national security policy. Over a decade of experience
leading multidisciplinary research on water security, extreme events,
and global environmental change in the United States, East Africa,
South America, and Southeast Asia.

Experience

U.S. Department of the Interior

Deputy Assistant Secretary for Water and Science

March 2023 - Present (8 months)

Council on Foreign Relations

Term Member

June 2021 - Present (2 years 5 months)

Washington DC-Baltimore Area

Office of the Secretary of Defense

3 years 7 months

Senior Advisor for Climate Policy

June 2021 - March 2023 (1 year 10 months)

Acting Director, Global Resilience Policy

August 2022 - January 2023 (6 months)

AAAS Science & Technology Policy Fellow, Stability and Humanitarian
Affairs

September 2019 - June 2021 (1 year 10 months)

Center for a New American Security (CNAS)

Brimley Next Generation National Security Fellow

February 2021 - January 2022 (1 year)

The Johns Hopkins University
Adjunct Professor, Environmental Sciences & Policy
September 2020 - December 2020 (4 months)

American Meteorological Society
Visiting Fellow, Policy Office
November 2017 - August 2019 (1 year 10 months)

The Johns Hopkins University
Glenadore and Howard L. Pim Postdoctoral Fellow in Global Change
October 2017 - August 2019 (1 year 11 months)

The National Academies of Sciences, Engineering, and Medicine
Mirzayan Science & Technology Policy Fellow
January 2019 - April 2019 (4 months)
Washington D.C. Metro Area

U.S. Geological Survey (USGS)
1 year 9 months

National Science Foundation GRIP fellow, Water Mission Area
September 2016 - May 2017 (9 months)
Reston, VA

Student Contractor, Conte Anadromous Fish Research Center
September 2015 - August 2016 (1 year)
Turners Falls, MA

Harvard Kennedy School of Government
Research/Faculty Assistant
June 2011 - June 2012 (1 year 1 month)
Cambridge, MA

Border Green Energy Team (BGET)
MAP Sustainable Energy Fellow
January 2011 - April 2011 (4 months)
Mae Sot, Thailand

CDC/KEMRI
Research Coordinator
August 2010 - November 2010 (4 months)
Nairobi, Kenya

Education

Tufts University

Doctor of Philosophy - PhD, Environmental and Water Resources Engineering

University of North Carolina at Chapel Hill

Master of Science - MS, Environmental Science and Engineering

Stanford University

Bachelor of Science - BS, Environmental Engineering, minor in Political Science