

# **Joe Brown**

**Assistant Professor, Environmental Engineering at Georgia Tech College of Engineering**  
Atlanta, GA, US

Joe Brown's research interests include water infrastructure sustainability and detection methods for pathogens in the environment.

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## **Biography**

Joe Brown is an assistant professor in environmental engineering. Brown comes to Georgia Tech from the London School of Hygiene and Tropical Medicine, where he served as a lecturer in the Department of Disease Control, Faculty of Infectious and Tropical Diseases. Brown's research and teaching interests are at the intersection of environmental engineering and public health, including water infrastructure sustainability, detection methods for pathogens and pathogen indicators in the environment, water treatment technology characterization and innovation, and human health effects of exposure to waterborne pathogens. He is a Professional Engineer (PE) with licensure in North Carolina and Alabama.

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## **Areas of Expertise**

Water and Wastewater Microbiology, Antimicrobial Resistance in the Environment, Engineering Applications in Underserved Communities, Bioaerosols

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## **Education**

**University of North Carolina at Chapel Hill**  
Ph.D. Environmental Sciences and Engineering

**University of Cambridge**  
M.Phil. Environment and Development

**University of Alabama**  
B.S. Civil and Environmental Engineering

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## **Selected Accomplishments**

**Women in Engineering (WIE) Faculty Teaching Award, Georgia Institute of Technology**  
2017

**NSF CAREER Award**  
2017

**CEE Excellence in Research Program Development Award**  
2016

**Young Future Leaders, STS Forum, National Academies**  
2015

**Selected participant, Chinese-American Frontiers of Engineering, National Academies**  
2015

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