

# Zackery R. White

## EDUCATION

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<b>University of Delaware (Biden School of Public Policy &amp; Engineering) – Newark, DE</b> Doctor of Philosophy, Disaster Science & Management, Interest in Preparedness	<b>Expected May 2024</b>
<b>Columbia University (Mailman School of Public Health) – New York, NY</b> Master of Public Health, Epidemiology, Certificate in Public Health and Humanitarian Action	<b>May 2020</b>
<b>Rensselaer Polytechnic Institute – Troy, NY</b> Bachelor of Science, Biomedical Engineering	<b>May 2018</b>

## PROFESSIONAL EXPERIENCE

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<b>Department of Behavioral Health &amp; Nutrition   University of Delaware – Newark, DE</b> <i>Laboratory Course Instructor – Introduction to Epidemiology</i>	<b>September 2020 – Present</b>
<b>National Center for Disaster Preparedness   Columbia University – New York, NY</b> <i>Research Staff Assistant</i> <ul style="list-style-type: none"><li>• Generate decision support tool development and examine the role of employee absenteeism in the continuity of business operations for utility services during the COVID-19 pandemic. Support projects focused on the persistent, long-term needs of those affected by Hurricane Harvey.</li></ul>	<b>October 2019 – Present</b>
<b>Department of Epidemiology   Columbia University – New York, NY</b> <i>Study Coordinator &amp; Research Assistant</i> <ul style="list-style-type: none"><li>• Synthesize and conduct household questionnaires in the Jamaica Bay area assessing for stress-based indicators theoretically caused by an increase in nuisance flooding attributed to global climate change.</li><li>• Engage directly with community members to organize participant interviews, while building the community's awareness and acceptance of the pilot project.</li></ul>	<b>September 2018 – May 2020</b>
<b>Ghana Health Services – Gushegu, Northern Region, Ghana</b> <i>Health Systems Technical Consultant</i> <ul style="list-style-type: none"><li>• Collated existing community-based referral protocols for data collection and identified potential gaps.</li><li>• Conducted an analysis of referral logs and proposed sustainable improvements aimed at increasing the health directorate's data capture ability, allowing for future evidence-based interventions.</li></ul>	<b>June 2019 – August 2019</b>
<b>Earth Institute   Columbia University</b> <i>Tropical Lab Initiative Intern</i>	<b>February 2019 – June 2019</b>
<b>Department of Biophysics &amp; Biochemistry   RPI – Troy, NY</b> <i>Undergraduate Research Assistant</i>	<b>September 2015 – May 2017</b>

## VOLUNTEER EXPERIENCE

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<b>NYC Department of Health and Mental Hygiene – Queens, NY</b> <i>TEAM EPI Member</i>	<b>Fall 2018 – Winter 2019</b>
<b>RPI Ambulance – Troy, NY</b> <i>EMT / Event EMS Supervisor / President</i>	<b>September 2014 – May 2018</b>

## SOFTWARE SKILLS

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- Microsoft Office Suite: Excel, Office, OneNote, PowerPoint & Adobe CS6: Illustrator, InDesign, Photoshop
  - ArcGIS, Minitab, NX 9.0, QGIS, Qualtrics
  - CSS, HTML, Python, R, SAS, SPSS, Stata

## PUBLICATIONS

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<b>Using Analytics to Support a Utility's Initial Response to COVID-19 Amid an Uncertain Evidence Base (in press)</b> <i>Jeff Schlegelmilch, Aleksii Paaso, Jackie Ratner, Gunjan Saxena, Zackery White, Susanna Aguilar, Daniel Kushner, Norayr Matevosyan, Jaime Ortega, and Shay Bahramirad</i>
<b>Current Data Gaps in Modeling Essential Worker Absenteeism Due to COVID-19 (2020)</b> <i>Zackery White, Jeff Schlegelmilch, Jackie Ratner, Gunjan Saxena, Kevin Wongsodirdjo, Susanna Aguilar, Daniel Kushner, Jim Ortega, Aleksii Paaso and Shay Bahramirad</i>
<b>The Consequences of Cavity Creation on the Folding Landscape of a Repeat Protein Depend Upon Context (2018)</b> <i>Kelly A. Jenkins, Martin J. Fossat, Siwen Zhang, Durgesh K. Rai, Sean Klein, Richard Gillilan, Zackery White, Grayson Gerlich, Scott A. McCallum, Roland Winter, Sol M. Gruner, Doug Barrick, and Catherine A. Royer</i>