

# Jayton Lewis Rainey

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## EDUCATION

- Ph.D.            **Urban and Regional Science**, Texas A&M University, College Station, TX  
*Expected graduation August 2021*
- M.S.            **Marine Resource Management**, Texas A&M University at Galveston, Galveston, TX, 2017  
*Thesis: "Economic Effects of Red Tide, *Karenia brevis*, on the Tourism Industry along the Gulf of Mexico Coast of Central Florida"*
- B.S.            **Wildlife and Fisheries Science**, Texas A&M University, College Station, TX, 2015  
*Coursework focus on Aquatic Ecology and Geographic Information Sciences*

## RESEARCH INTERESTS

Spatial Analysis, Hazard Mitigation, Environmental Planning, Economic Policy, Floodplain Management

## EXPERIENCE AND PROFESSIONAL APPOINTMENTS

- August 2017 – Present    *Instructor/Teaching Assistant*, Texas A&M University and Texas A&M University at Galveston
- August 2016 – August 2018    *Graduate Fellow Researcher*, Hagler Institute for Advanced Study at Texas A&M University (TIAS), Texas A&M University
- January 2016 – Present    *Graduate Student Researcher*, The Center for Texas Beaches and Shores, Texas A&M University at Galveston

## TEACHING EXPERIENCE

- Environmental Planning (PLAN 641)*, Texas A&M University and Texas A&M University at Galveston
- Planning for Coastal Sustainability and Resilience (PLAN 642)*, Texas A&M University and Texas A&M University at Galveston

## PUBLICATIONS

- University of Maryland, Center for Disaster Resilience, and Texas A&M University at Galveston, Center for Texas Beaches and Shores. The Growing Threat of Urban Flooding: A National Challenge 2018. College Park: A. James Clark School of Engineering.
- Drakes, O., Tate, E., **Rainey, J.**, and Brody, S. 2021. Social Vulnerability and Short-term Disaster Assistance in the United States. *International Journal of Disaster Risk Reduction*. Vol (53).
- (In Review) **Rainey, J.**, Brody, S., Galloway, G., and Highfield, W. Assessment of the Growing Threat of Urban Flooding: A Case Study of a National Survey. *Urban Water Journal*.

## HONORS and AWARDS

- August 2018      Certificate in NASA's Applied Remote Sensing Training Program (ARSET): *Monitoring Urban Floods Using Remote Sensing*
- August 2016      *HEEP Graduate Fellowship*, Hagler Institute for Advanced Study at Texas A&M University (TIAS), Texas A&M University.
- June 2014        *Rescue Scuba Diver*, PADI Certification, Texan Scuba Inc.
- May 2014        *Advanced Open Water Scuba Diver*, PADI Certification, Texan Scuba Inc.
- June 2012        *Open Water Scuba Diver*, PADI Certification, Texan Scuba Inc.

## **ACTIVITIES AND SERVICES**

- August 2020 – Present      *Senator*, Graduate and Professional Student Government, Department of Landscape, Architecture and Urban Planning, Texas A&M University
- January 2014 – December 2015      *Student Ambassador*, The Association of Former Students, Texas A&M University
- August 2011 – May 2015      *Member*, The Fightin' Texas Aggie Band, Texas A&M University
- August 2011 – May 2015      *Member*, Corps of Cadets, Texas A&M University