

# James P. Collins

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Updated December 1, 2024

## EDUCATION

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<b>University of North Carolina at Chapel Hill</b> , Chapel Hill, NC Ph.D., City and Regional Planning	Expected 2028
<b>University of Texas at Austin</b> , Austin, TX B.S., Environmental Science, Geographical Sciences B.A., Government	2019

## BOOK CHAPTERS

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**Collins, James P.** Forthcoming. "Anna Lowenhaupt Tsing." In: *Inspiring Disaster Scholarship: 100 of the Most Influential Thinkers*, edited by Ksenia Chutina and Jason von Meding.

## REPORTS

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**Collins, James P.**, Ryan McCune, Miyuki Hino, Katherine Anarde, and Max Cawley. 2024. "[Chronic coastal flooding tolerance in rural North Carolina](#)." Digital report. Chapel Hill, NC: Sunny Day Flooding Project.

Clamman, Andrew, Mateo Scoggins, **James P. Collins**, and Jeremy Walker. 2022. "[Trash in Creeks: A field survey of trash intensity and source types in Austin, Texas](#)." RR-22-01. Austin, TX: Watershed Protection Department, City of Austin.

## PROJECTS AND TEAMS

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Environmental Justice Action Research Clinic <i>UNC Gillings School of Global Public Health</i>	2024 -
NASA ROSES Flooding More Than We Know project <i>NASA Research Opportunities in Space and Earth Science (ROSES) program</i>	2024 -
Carolinas-Pacific Cross-CAP Community-Engaged Local Flood Risk and Mitigation project <i>NOAA Climate Adaptation Partnerships (CAP) program</i>	2024 -
Travis County, Texas, Concrete Batch Plant Particulate Matter Monitoring project <i>AGU Thriving Earth Exchange Community Science program</i>	2023 - 2024

## TALKS, LECTURES, AND SEMINARS

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Operationalizing Social Equity in Austin's Watershed Protection Department (guest lecture) <i>The Science of Environmental Justice undergraduate class, UT-Austin</i>	2023
Planning for Agro-Ecosystem Services in Austin, Texas (presentation) <i>Farmland Preservation Working Group meeting, Austin—Travis County Food Policy Board</i>	2019
U.S. Biosphere Reserves: History, Challenges, and the Case of Congaree (presentation) <i>National Parks and Protected Areas undergraduate class, UT-Austin</i>	2018
Congaree Biosphere Reserve: People and Place, in Partnership (presentation) <i>Connected Conservation webinar series, National Park Service, U.S. Department of the Interior</i>	2018

## SELECTED CONFERENCE PRESENTATIONS

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Tolerating the tide: chronic coastal flooding in rural North Carolina and implications for sea level rise driven migration (accepted presentation) <i>American Geophysical Union Fall Meeting</i>	2024
Near real-time survey analytics pipeline for adaptive community engagement (presentation) <i>American Association of Geographers Annual Meeting</i>	2023
Introduction to Feature Manipulation Engine (workshop) <i>Austin GIS Day Conference</i>	2022
Automating Spatial Analysis for Coordinating Municipal Utility Improvements (presentation) <i>Texas GIS Day Conference</i>	2021
Automating Web Mapping with FME and Leaflet (presentation) <i>Texas GIS Day Conference</i>	2020
Planning for Urban Agro-Ecosystem Services (poster) <i>University of Texas at Austin Research Week</i>	2019
Leading Impactful Environmental Change on College Campuses (workshop) <i>Texas Regional Alliance for Campus Sustainability Annual Conference</i>	2017
Poster: Campus Environmental Center: Student-Led Environmental Action at UT-Austin (poster) <i>Association for the Advancement of Sustainability in Higher Education Annual Conference</i>	2017

## FELLOWSHIPS, AWARDS, AND FUNDING

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Mellon Travel Subsidy <i>UNC Institute for the Study of the Americas: \$1,138</i>	2024
Conference Travel Award <i>UNC Department of City and Regional Planning: \$1,000</i>	2024
Population Science Predoctoral Trainee <i>UNC Carolina Population Center: \$600</i>	2024
Summer Professional Development Fellowship <i>UNC Department of City and Regional Planning: \$3,000</i>	2024
Summer Research Fellowship <i>UNC Department of City and Regional Planning: \$7,000</i>	2024
Graduate Research Fellowship <i>United States National Science Foundation: \$111,000</i>	2023
Terry Foundation Scholarship <i>Terry Foundation, Texas, US: \$88,100</i>	2015

## SERVICE

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Open Rank Faculty Search Committee, UNC Department of City and Regional Planning	2024
Doctoral Program Admissions Committee, UNC Department of City and Regional Planning	2024
Editor, Carolina Planning Journal	2023
Organizer, Austin GIS Day Conference	2022
Grant Reviewer, University of Texas at Austin Green Fund	2018

## MEMBERSHIPS

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Population Association of America  
American Geophysical Union  
American Planning Association  
American Association of Geographers, *Natural Hazards and Disasters Specialty Group*

## PROFESSIONAL EXPERIENCE

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<b>City of Austin</b>	Austin, TX
<i>Watershed Protection Department</i>	
Senior Research Analyst	2021 - 2023
Interim IT Supervisor	2021 - 2022
IT Geospatial (GIS) Analyst	2020 - 2021
IT Geospatial (GIS) Technician	2019 - 2020
<b>The Nature Conservancy</b>	Austin, TX
<i>Waller Creek Ecosystem &amp; Monitoring Project</i>	
Field Technician	2019
<b>National Parks Service</b>	Hopkins, SC
<i>Congaree National Park</i>	
GIS Specialist/Geoscientists-in-the-Parks Intern	2018
<b>The University of Texas at Austin</b>	Austin, TX
<i>Campus Environmental Center</i>	
Student Director	2016 - 2018
Microfarm Project Lead	2016

## SKILLS

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Programming	R, Python, LaTeX, SQL, HTML, CSS, PHP, JavaScript, Cypher
Software	ESRI ArcGIS, QGIS, Feature Manipulation Engine, Jupyter, R Studio, Git, REST APIs
Databases	MySQL, Oracle SDE, Neo4j
Languages	English (native), Spanish (intermediate)