James P. Collins

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EDUCATION

University of North Carolina at Chapel Hill, Chapel Hill, NC   Expected 2028
Ph.D., City and Regional Planning

University of Texas at Austin, Austin, TX   2019
B.S., Environmental Science, Geographical Sciences
B.A., Government

BOOK CHAPTERS

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

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

Environmental Justice Action Research Clinic   2024 -
UNC Gillings School of Global Public Health

NASA ROSES Flooding More Than We Know project   2024 -
NASA Research Opportunities in Space and Earth Science (ROSES) program

Carolinas-Pacific Cross-CAP Community-Engaged Local Flood Risk and Mitigation project   2024 -
NOAA Climate Adaptation Partnerships (CAP) program

Travis County, Texas, Concrete Batch Plant Particulate Matter Monitoring project   2023 - 2024
AGU Thriving Earth Exchange Community Science program

TALKS, LECTURES, AND SEMINARS

Operationalizing Social Equity in Austin's Watershed Protection Department (guest lecture)   2023
The Science of Environmental Justice undergraduate class, UT-Austin

Planning for Agro-Ecosystem Services in Austin, Texas (presentation)   2019
Farmland Preservation Working Group meeting, Austin—Travis County Food Policy Board

U.S. Biosphere Reserves: History, Challenges, and the Case of Congaree (presentation)   2018
National Parks and Protected Areas undergraduate class, UT-Austin

Congaree Biosphere Reserve: People and Place, in Partnership (presentation)   2018
Connected Conservation webinar series, National Park Service, U.S. Department of the Interior

SELECTED CONFERENCE PRESENTATIONS

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

FELLOWSHIPS, AWARDS, AND FUNDING

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

SERVICE

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

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

PROFESSIONAL EXPERIENCE

City of Austin   Austin, TX
Watershed Protection Department

Senior Research Analyst	2021 - 2023
Interim IT Supervisor	2021 - 2022
IT Geospatial (GIS) Analyst	2020 - 2021
IT Geospatial (GIS) Technician	2019 - 2020

The Nature Conservancy   Austin, TX
Waller Creek Ecosystem & Monitoring Project

Field Technician	2019

National Parks Service   Hopkins, SC
Congaree National Park

GIS Specialist/Geoscientists-in-the-Parks Intern	2018

The University of Texas at Austin   Austin, TX
Campus Environmental Center

Student Director	2016 - 2018
Microfarm Project Lead	2016

SKILLS

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)