

James P. Collins

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EDUCATION

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

UNREFEREED PUBLICATIONS

Clamman, A., Scoggins, M., **Collins, J.**, Walker, J. 2022. [Trash in Creeks: A field survey of trash intensity and source types in Austin, Texas](#). Report to Austin City Council (RR-22-01).

PROJECTS

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

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

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

Population Science Predoctoral Trainee (incoming) <i>UNC Carolina Population Center: \$600</i>	2024-2025
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>	2023-2026
Terry Foundation Scholarship <i>Terry Foundation, Texas, US: \$88,100</i>	2015

SERVICE

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

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

PROFESSIONAL EXPERIENCE

City of Austin <i>Watershed Protection Department</i>	Austin, TX
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 <i>Waller Creek Ecosystem & Monitoring Project</i>	Austin, TX
Field Technician	2019
National Parks Service <i>Congaree National Park</i>	Hopkins, SC
GIS Specialist/Geoscientists-in-the-Parks Intern	2018

The University of Texas at Austin

Campus Environmental Center

Student Director

Microfarm Project Lead

Austin, TX

2016 - 2018

2016

TECHNICAL SKILLS

Languages 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