

TANVI SHARMA, RA

CONTACT

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LICENSE

Registered Architect, State of Texas, 27093 [Since 2018]

EDUCATION

Massachusetts Institute of Technology [2020]
Master of City Planning

Rice University [2015]
Bachelor of Architecture

Rice University [2013]
BA Architectural Studies

SKILLS

Project Management
Communication
Organization
Research
Information Analysis
ArcGIS / QGIS
Adobe Suite
Rhinceros
V-Ray Rendering
Basic Python
Basic HTML
AutoCAD
Revit
Photography
Social Economic Environmental Design (SEED) Certified

PUBLICATIONS

+PRESENTATIONS

Smiley, Kevin T., Tanvi Sharma, et al. "More Inclusive Parks Planning: Park Quality and Preferences for Park Access and Amenities." Environmental Justice 9.1 [2016]: 1-7.

"Instant Impact in Small Towns" presentation for Houston-Galveston Area Council's Instant Impact Workshop, [2017].

LANGUAGES

English [fluent]
Hindi [fluent]
Spanish [basic]
Mandarin [basic]

PROFESSIONAL EXPERIENCE

Since 06.2021 Senior Urban Planner · Parsons

San Francisco California San Francisco Public Utilities Commission

On the project management team for several SFPUC flood management projects including creating new flood maps for the city, managing a Floodwater Grant program update, piloting a voluntary buyout program, community engagement, and opportunities analysis and urban design proposal for several high risk areas within the city.

In charge of proposing new eligibility requirements and program terms for the city's \$1.5 million Floodwater Grant program, as well as creating a graphic guidebook to help owners select the best floodproofing options for them.

Summarizing spatial and tabular data on property buyout cost-benefits to assess need for a buyout program in San Francisco. Also working on creating a prioritization methodology for properties that are eligible for a buyout.

Ran comprehensive case study analysis, including interviews with program staff, on buyout programs across the nation.

Translating hydrology and hydraulic model outputs to GIS environment and 3D modeling software for engineering informed urban design proposals.

Run overall coordination between client and several subconsultants.

02.2021 Coastal Resilience Fellow · City of Boston

05.2021 Climate Ready Boston Cambridge Massachusetts

Created prioritization and implementation plan for proposed climate resilience adaptation projects in the East Boston and Charlestown neighborhoods in Boston.

Developed the long term stakeholder and public engagement strategy to determine residents' priorities and needs around climate adaptation.

09.2019 Architect and Site Planner · Leventhal City Prize Team, MIT

10.2020 Malden River Works Cambridge Massachusetts

Planned and facilitated kick-off public meeting to solicit feedback on citizens' priorities for this site. Created presentation and handout materials, collected data, and summarized findings.

Developed a site plan with elevated park, reorganized Public Works operations, and green infrastructure components including bioswales and bioretention pond.

Completed and won multiple grant applications to fund design development and construction phases of this project.

07.2015 Architect and Urban Planner · Huitt-Zollars

04.2019 Greater Houston Flood Mitigation Consortium

Houston
Texas

Facilitated conversations among leading research institutions and local non-profits to produce documents that disseminate information to policy- and decision-makers as well as to the public.

Wrote content, created diagrams, and developed fact sheets, briefing documents, and final reports as a member of the project management team at Huitt-Zollars.

Handled all project scheduling and communication directly with clients, researchers, and public relations consultants.

East Metro Strong Bus Network Redesign

Researched and analyzed opportunities for increasing ridership, equity, and efficiency within the bus network around Saint Paul, MN. Proposed strategies to improve reliability and coverage such as route restructuring, adding Bus Rapid Transit, and expanding the rail network.

Produced maps and analyzed demographics, job densities, existing network frequencies, coverage, and access in ArcGIS to determine appropriate areas for system improvement.

Dallas Street Design Manual

Consolidated Dallas's 1993 street design manuals and national best practices into the new Dallas Street Design Manual. Incorporated the city's comments and feedback into the final draft of the manual.

City of Denison Comprehensive Plan

Created the Future Land Use Map and Thoroughfare Map for City of Denison.

Organized and conducted public and Task Force meetings to understand the priorities of the residents. Documented and analyzed meeting results to create vision and goals.

08.2014 Researcher · Rice University

05.2015 Houston Action Research Team

Houston
Texas

Designed and conducted over 400 in-person surveys of park users in low-income neighborhoods to guide Houston Parks and Recreation Department's Parks Masterplan. This research led to the Environmental Justice journal article, "More Inclusive Parks Planning."