

EMILY BINET ROYALL

Advancing ethical and inclusive smart cities



HELLO!

I'm an urban planner and technologist with a focus on advancing ethics, digital rights and inclusion in smart cities of today and tomorrow.

AREAS OF EXPERTISE

Smart Cities
Digital Inclusion
Procurement
Public Private Partnerships
Data, Privacy & Statistical Analysis
Digital Rights
Public Speaking
Community Engagement

LANGUAGES

English (fluent), French (fluent)

ORGANIZATIONS

Member:
Cities Coalition for Digital Rights
Member:
MIT Alumni Texas Chapter
Steering Committee:
SA Digital Inclusion Alliance
Steering Committee:
Alamo Regional Data Alliance
Board Member:
San Antonio 2030 District

CONTACT ME:

emilybroyall@gmail.com
@emily_royall
www.eroyall.com

EXPERIENCE

Smart City Administrator - Present
The Office of Innovation, City of San Antonio

Smart City Coordinator - 2018-2021
The Office of Innovation, City of San Antonio

Consultant - People Centered Smart Cities - Present
United Nations, UN Habitat

Data Director - 2017-18
The San Antonio Report, San Antonio, TX

Policy Analyst & Researcher - 2016-17
Massachusetts Office of Information Technology, Boston, MA

Research Scientist: Smart Cities - 2014-15
City Form Labs, Singapore, SG

EDUCATION

Massachusetts Institute of Technology (MIT)
Masters City Design & Development
Department of Urban Studies & Planning

University of Texas at Austin
B.S. Neuroscience, B.A. Plan II (Philosophy)

REFERENCES

Andrea Chegut, Ph.D., MIT Center for Real Estate, Thesis Advisor
Robert Rivard, Former CEO The San Antonio Report, Employer
Jana McCann, AIA, CEO McCann Adams Studio, Employer

RECENT PUBLICATIONS

"Centering People in Smart Cities: A Playbook for Local and Regional Governments," United Nations People-Centered Flagship Program, November 2021.

ACHIEVEMENTS (IN CURRENT ROLES):

- Primary Author on six Playbooks for UN Habitat's People-Centered Smart City Program.
- Led team to develop and launch City of San Antonio CoVID-19 Open Data Platform.
- Led City of San Antonio team on "Smart Streetlight" IoT strategy & implementation with local utility, impacting 119K nodes.
- Codeveloped San Antonio's Digital Divide Assessment and Digital Inclusion Initiatives.
- Negotiated 8 utility & public sector orgs to execute Data Sharing Protocol for SmartSA Interlocal Datasharing Agreement.
- Led Civic Technology Program "CivTechSA" Year 2 with 50 challenges, 15+ community events, and two in-house Residency Programs.
- Coordinated the development and publication of Smart City Strategy, "SmartSA Framework" for San Antonio.

PUBLIC SPEAKING & PODCASTS

- World Urban Forum 11th Session 2022, "Special Session on People-Centred and Green Technology Innovation" - **Speaker**
- World Urban Forum 11th Session 2022, "Building Smart Cities that Work for People: An Introduction to UN Habitat's People-Centred Smart City Approach." - **Training**
- Smart City Expo World Congress 2021, "Centering People in Smart Cities: A Roadmap" - **Speaker**
- City of the Future, "What are People's Rights in the Smart City?" - **Moderator**
- AAGIS 2019, "Data & Co-Creation in the Smart City." - **Keynote**
- San Antonio Start Up Week 2019, "Tech Therapy: Re-Imagine Smart Technology for our Community" - **Workshop Facilitator**
- San Antonio Start Up Week 2019, "Our Changing Urban Environment: How Tech is Disrupting the Transit Fabric in Cities," - **Panelist**
- Informa Smart Cities Summit, "Privacy, cyber-security and the consequences of emerging technology for connected cities." **Speaker**
- **Smart Communities** - "Advancing Equity in Smart Cities with Emily Royall"

SELECT PUBLICATIONS

- "Centering People in Smart Cities: A Playbook for Local and Regional Governments," United Nations People-Centered Flagship Program, November 2021.
- "Assessing the Digital Divide: Understanding internet connectivity and digital literacy in cities and communities," United Nations People-Centered Flagship Program, November 2021.
- "Addressing the Digital Divide: Taking action towards digital inclusion," United Nations People-Centered Flagship Program, November 2021.
- "Renegotiating the Social Contract in Smart Cities," Some Thoughts Editorial with Bianca Wylie, Zhara Ebrahim, and Matthew Claudel.
- "Move Smart and Build Things: Defining Digital Rights for a Changing World," Smart Cities News Australia, November 2020.
- "Slum Settlements and Housing in Denpasar: Data Management for Policymaking," City Form Labs, 2014.
- Royall, E., 2016. "Towards an epidemiology of gentrification: modeling urban change as a probabilistic process using k-means clustering and Markov models," MIT D-Space.
- Royall, E., 2016. "Planning for Digitally Mediated Public Space: Policy Implications for Internet of Things Frameworks in Urban Environments" Responsive Cities Symposium, Institute for Advanced Architecture of Catalonia.