

EMMETT Z. MCKINNEY

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Transit planner + civic technologist.

Experience

Tufts University

Visiting Lecturer, ExCollege
Jan. '24 - Pres. | Medford, MA

- Teach and organize 20-student weekly undergraduate discussion course.
- Title: "Smart Cities: Examining Tech in the Built Environment."
- Explores new opportunities and potential pitfalls for urban technology.

Superpedestrian

Senior Product Manager
Platform and Data Operations
Jan. '21 - Dec. '23 | Cambridge, MA

- Product Owner for back-end of mobile app, billing, cloud communications, data warehouse, MaaS integrations, and all city data sharing.
- Managed 3 Scrum teams (~15 eng.) building REST APIs and ETL pipelines
- Supported development and integration of AI and machine learning tools
- Engaged city planners and advanced GBFS & MDS standards via the OMF
- Led data science and GIS analyses for Policy and Business teams

CDMX Secretaría de Protección Civile

Resilience Intern
Jan. '20 | Mexico City, MX

- Defined vision for Atlas of Solutions, data platform connecting Mexico City residents to climate resilience resources. Designed concept and graphics for climate-themed board game that the Secretaría now uses, city-wide.

Civic Design Center

Design Fellow
Jun. - Aug. '19 | Nashville, TN

- Designed + implemented micromobility infrastructure in downtown Nashville
- Wrote Tactical Urbanism Organizer (TURBO) Guide for community-led projects
- Led GIS site suitability analysis for bus depot, through environmental justice lens

Environmental Law Institute

Research Associate
Jun. '16 - Jul. '18 | Washington, DC

- Managed International Network for Environmental Compliance + Enforcement
- Co-organized Nashville Food Waste Initiative
- Reviewed EPA Planning Grants for Blight Revitalization Initiative

Vanderbilt Law School

Research Assistant
Jun. '15 - May '16 | Nashville, TN

- Researched private governance for climate change mitigation
- Quantified the global emissions reduction potential of companies, households, nonprofits, and individuals. Findings published in *Beyond Politics* book.

Skills

Languages

●●●● SQL ●●●● English
●●●● Python ●●●○ French
●●●○ R ●●○○ Spanish
●●○○ JavaScript

Frameworks

- PostGIS, AWS Redshift
- GeoPandas, Jupyter, OSMnx
- NodeJS, Express, MongoDB
- React, R Shiny, Kepler

Software

- QGIS, ArcGIS
- Metabase, Tableau
- JIRA, Confluence
- Adobe Creative Suite

Education

Massachusetts Institute of Technology *Master in City Planning*

Thesis: "Data, Governance, and Equity in Los Angeles's Shared Mobility Pilots" (bit.ly/ezm_mit_thesis) **May 2020**
5.00 / 5.00

Public Transit Analytics, Land Use + Transportation, Transportation Planning + Implementation, Behavioral Science + Transportation, Planning Economics, Spatial Statistics, Advanced GIS, Spatial Database Management, Urban Design

Vanderbilt University *Bachelor of Arts*

Magna Cum Laude, Public Policy and French **May 2016**
3.85/4.00

Dean's List, Morgan Undergraduate Writing Award, Pi Delta Phi French Honor Society

Certifications: Scrum Product Owner (Scrum, Inc. 2020) | Backend App in NodeJS (Codecademy, 2021)

Featured Publications

L. Soria et al., Equitable Bikeway Expansion: Investigating Potential Links to Gentrification and Displacement. MIT Science Policy Review (2021).
E. McKinney, ed. doi.org/10.38105/spr.la2mv0f4g

M. Swain, E. McKinney & L. Susskind. Water Shutoffs in Older American Cities: Causes, Extent and Remedies. Journal of Planning Education and Research (2020). doi.org/10.1177%2F0739456X20904431

A. Maki, E. McKinney, M.P. Vandenberg, M.A. Cohen, & J.M. Gilligan. Employee Energy Benefits: What Are They and What Effect Do They Have on Employees? Energy Efficiency (2018) doi.org/10.1007/s12053-018-9721-x

Engagement

Civic: Livable Streets, Sierra Club MIT: Community Innovators Lab, Science Policy Review (Associate Editor), Vanderbilt: Students Promoting Environmental Awareness and Responsibility, Vanderbilt Political Review, Alternative Spring Break, Tour Guides