

# Stanford

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## Devan Addison-Turner

- Ph.D. Student in Civil and Environmental Engineering, admitted Autumn 2022
- Masters Student in Civil and Environmental Engineering, admitted Autumn 2021

### Bio

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#### BIO

I am a first-generation, African American college student, and Ph.D. student in Stanford University's Civil & Environmental Engineering - Sustainable Design & Construction-Sustainable Urban Systems program. My interests are Renewable Energy, Infrastructure, and Climate Change. I am contributing to developing clean energy solutions using data-driven methods to solve complex global issues. My research is relative to physics-based energy modeling of buildings. Ultimately, my end goal is to improve the quality of life for communities by creating a cleaner, more innovative, and sustainable future, inventing and utilizing cutting-edge technologies. I support research and coursework at the Stanford Urban Informatics Lab, directed by Professor Rishee Jain.

#### HONORS AND AWARDS

- IBUILD Program 2022 Honorable Mention Cohort, U.S. Department of Energy (Autumn 2022)
- NSF Graduate Research Fellowship Program, The National Science Foundation (Autumn 2022)
- Department of Civil & Environmental Engineering Scholarship, Stanford University (Autumn 2021)
- Teaching Assistantship, Stanford University / Department of Civil & Environmental Engineering (Autumn 2021)
- Graduate Research Assistantship, Stanford Urban Informatics Lab (Autumn 2021)
- GEM Full Fellowship, The National GEM Consortium (Autumn 2021)

### Research & Scholarship

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#### RESEARCH INTERESTS

- Civic Education
- Collaborative Learning
- Data Sciences
- Diversity and Identity
- Economics and Education
- Educational Policy
- Equity in Education
- Higher Education
- Leadership and Organization
- Philosophy
- Poverty and Inequality
- Professional Development

- Race and Ethnicity
- Research Methods
- Sociology
- Technology and Education

### **CURRENT RESEARCH AND SCHOLARLY INTERESTS**

My research in the Stanford Urban Informatics Lab is focused on leveraging multiple sources of data within the state of California and nationwide to develop a holistic Energy Poverty Index that can be used to evaluate and guide policy. More specifically, my research addresses disparities in public and secondary schools (K-12) by helping to identify the school districts that are most vulnerable and at-risk based on socio-economic, health, and environmental factors. In doing so, I will improve energy efficiency and indoor environmental quality in school facilities.