

# LYNDSAY GAVIN

MPH, EIT

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## PROFILE

Applied researcher with experience designing, testing, and evaluating behavioral science interventions and leading small teams. Former engineer and public health professional with a passion for environmental policy, public health, local government, and civic engagement.

## SKILLS

Programming - R, SAS

Software - NVivo, Qualtrics, MTurk, ArcMap, AutoCAD, MATLAB

Language -  
Spanish (Conversational)

## ACTIVITIES/AWARDS

Association of Commuter Transportation (ACT) - 40 Under 40 Award recipient (2020)

Environmental Advisory Board Member, Town of Carrboro (2018-2020)

ACT Excellence in Research Award (2019)

YSPH Climate Change Health Practicum - Led economic and environmental impact analysis in YNH Hospital (2017)

Yale Climate Change and Health Initiative- Cross-disciplinary collaborative program student associate (2015-17)

American Association of University Women - scholarship recipient based on goals demonstration (2015)

## PROFESSIONAL DEVELOPMENT

10/14 Texas Commission on Environmental Quality - Attended Advanced Air Permitting seminar

06/14 UT Arlington - Completed OSHA for General Industry course

06/14 Dale Carnegie Course - Effective Communication & Skills for Success, Outstanding Performance Award

## EDUCATION

### MASTERS OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SCIENCES

Yale University | New Haven, CT | 2015 - 2017

### BACHELOR OF SCIENCE, BIOLOGICAL SYSTEMS / ENVIRONMENTAL ENGINEERING

University of Wisconsin-Madison | Madison, WI | 2008 - 2012

Passed Fundamentals of Engineering (FE) Exam, October 2012

## EXPERIENCE

### BEHAVIORAL RESEARCHER

DURHAM, NC

Center for Advanced Hindsight, Research Lab of Dan Ariely, Duke University | 2019-Present

- Partner with state, local and federal governments to design and conduct applied behavioral research studies centered around transportation, sustainability, and taxes and fiscal policy
- Apply human-centered design to conduct user testing, citizen and expert interviews, and focus groups
- Conduct large-scale statistical evaluations; communicate experimental findings in spoken and written media

### ENVIRONMENTAL PROGRAM ANALYST

DURHAM, NC

Triangle J Council of Governments | 2017-2019

- Analyze environmental (emissions) impact of Transportation Demand Management program
- Develop, distribute, analyze annual commute surveys for insight to area commute behavior
- Assist member communities with environmental and energy planning to meet renewable energy goals
- Manage federal and state grant applications for DOE, DOT, and FHWA

### TEACHING FELLOW (YSPH), DATABASE ANALYST (YLS)

NEW HAVEN, CT

Yale University | 2016 - 2019

- Contributed to development of teaching materials to meet learning objectives for graduate-level public health course, Principles of Environmental Health
- Created assessments and tests, answered student questions, graded student work
- Composed alumni database and gleaned insights for diversity initiatives at Yale Law School

### CLIMATE CHANGE EPIDEMIOLOGY INTERN

OAKLAND, CA

California EPA Office of Environmental Health Hazard Assessment (OEHA) | 2016

- Processed and analyzed hospitalization and climate data from state and national databases
- Developed a time-series Poisson regression model using SAS and R statistical programming to examine the association between temperature and mental health outcomes; mapped outcomes in ArcMAP

### RESEARCH ASSISTANT

NEW HAVEN, CT

Yale Center for Environmental Law & Policy | 2015-2016

- Assessed indicators to develop Environmental Performance Index statewide Solar Scorecard
- Analyzed state and municipal residential solar permitting practices to determine rankings

### ENVIRONMENTAL, HEALTH & SAFETY ENGINEER

DALLAS, TX

Hunt Oil Company | 2013-2015

- Calculated company-wide greenhouse gas emissions; compiled annual EPA reports for MRR
- Led initiative to implement water recycling practices in Eagle Ford basin, saving ~3 million gallons/well
- Served as lead to NEPA process for Southline Transmission Project, 350-mile proposed transmission line
- Tracked and audited compliance with OSHA, EPA, state regulations and air permits

## SELECTED PUBLICATIONS

Whillans, A., Sherlock, J., Roberts, J., O'Flaherty, S., **Gavin, L.**, Dykstra, H., Daly, M. (forthcoming, 2021) "Nudging the Commute: Using Behaviorally-Informed Interventions to Promote Sustainable Transportation." Behavioral Science and Policy Association.

Basu, R., **Gavin, L.**, Pearson, D., Ebusu, K., Malig, B. (2017) "Examining the Association Between Temperature and Emergency Room Visits from Mental Health-Related Outcomes in California." American Journal of Epidemiology. <https://doi.org/10.1093/aje/kwx295>.