Kendrick Hardaway

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EDUCATION

Purdue University *2019-*

Ph.D. Student

Ecological Sciences and Engineering Interdisciplinary Program

Environmental and Ecological Engineering

University of Arkansas *2018*

B.S. in Biological Engineering; Summa cum laude

Minor in Sustainability

RESEARCH EXPERIENCE

Purdue University *2019-*

Graduate Research Assistant (Advisors: Drs. Hua Cai & Roshanak Nateghi)

Impacts of the built environment and infrastructure systems on environmental resilience & sustainability

Research Mentor (Undergraduate Mentee: Oscar Teran) *2021-*

The environmental impacts of data generation and storage in autonomous vehicles

Univ. of Arkansas *2016-2018*

Undergraduate Research Assistant (Advisors: Drs. Elena Garcia & Brian Haggard)

Thesis: Hardaway, K. (2018). Advantages in Nutrient Retention for the Subsurface Banding of Fertilizers. *Biological and Agricultural Engineering Undergraduate Honors Thesis* Retrieved from https://scholarworks.uark.edu/baeguht/46

Project: The Effects of Amended Bio-Solids on Tomato Yield

Univ. of Florida *2017*

Summer Undergraduate Researcher (Supervisor: Dr. Bin Gao)

Environmental Nanotechnology Lab

Project: Ball Milling as a Novel Engineering Method to Improve Properties and Functions of Hydrochar

TEACHING EXPERIENCE

Lecturer, Purdue University

CE/EEE 355: Engineering Environmental Sustainability *Spring 2021*

Enrollment: 100 students

Teaching Assistant, Purdue University

CE/EEE 355: Engineering Environmental Sustainability *Fall 2020*

Enrollment: 150 students

EEE 480: Environmental and Ecological Senior Design *Spring 2020*

Enrollment: 50 students

Supplementary Instructor, Univ. of Arkansas
BIOL 1541M: Principles of Biology *Spring-Fall 2016*
Enrollment: 3 classes of 20 students

PUBLISHED REPORTS

1. Jackson, E, Hardaway, K, Cai, H. Regional Recycling Infrastructure Study: Northwest Indiana in Focus. *Indiana Recycling Coalition.* May 30, 2020. Available from: https://indianarecycling.org/2020study/

POSTERS & PRESENTATIONS

1. Hardaway, K, Nateghi, R, Cai, H. Identifying the key predictors of electric vehicle adoption. Presented at: *International Conference on Resource Sustainability*; July, 2021; Dublin, Ireland. [Virtual]
2. Hardaway, K, Cai, H. Geo-spatial Analysis of Recycling Infrastructure in 10 Indiana Counties. Poster presented at: AEESP Distinguished Lecturer Conference; February, 2020; West Lafayette, Indiana

INVITED PRESENTATIONS

Environmental and Ecological Engineering Seminar Series. [Virtual]. *Long-term impacts of autonomous vehicle adoption.* *2021*

PROFESSIONAL EXPERIENCE

Research Assistant, *Purdue University & Indiana Recycling Coalition* *2019-2020*
Processed and analyzed geo-spatial data on recycling infrastructure in 10 northwest Indiana counties to identify patterns, recommend investments, and establish baseline understanding of the system

Consultant, *Sustainable Giving Homes* *2018-2019*
Consulted home renovation and urban green space use in Austin, TX

Intern, *Univ. of Arkansas Office for Sustainability* *2017-2018*
Performed cost-benefit analysis and modeled GHG emission reductions from converting public transit diesel buses to electric and hybrid models
Researched and co-designed value-added product development center in Wahiawa, HI

HONORS AND AWARDS

2021 icRS Travel Award, *Int. Conf. on Resource Sustainability* *2021*
Andrews Doctoral Research Fellowship, *Purdue University* *2019*
Honors College Research Grant, *Univ. of Arkansas* *2017*
Summer Research Grant, *Univ. of Florida* *2017*

SERVICE

Junior Associate Journal Editor, *Environmental, Development, and Sustainability* *2021*

Guest Reviewer (*Journal manuscripts*)
- *Society for Risk Analysis*

Senator, *Purdue Graduate Student Government* *2021-*
Vice President, *Environmental and Ecological Engineering Student Org.* *2021-*
Co-Chair, *Purdue Univ. Ecological Sciences & Engineering Symposium* *2020-2021*
Hindsight 202One, understanding scalar complexities of public health and climate change
Panel Moderator, *Purdue Univ. College of Eng. Distinguished Lectures* *2020*
"Climate Change and Human Decisions" with Dr. Tami Bond

SKILLS

Programming
R, Python, MATLAB
Tools/Applications
ArcGIS, Arena, AutoCAD, Microsoft Suite, SWMM

OTHER CERTIFICATIONS AND TRAINING

Univ. of Barcelona School of Economics *2021*
SCC 2021: Ecological and Feminist Macroeconomics
Sustainable Development Goals Academy *2018*
Certificate in *Cities and The Challenge of Sustainable Development*
Certificate in *Feeding a Hungry Planet*
Univ. of Ghent, Belgium *2017*
Sustainability in the Euro-Food System