

# Hannah Sackles

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Phone: (813) 810-3999

## Education

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### Bachelor of Science in Environmental Engineering

Class of 2022

University of Florida, Gainesville

Minor: Sustainability and the Built Environment

GPA: 4.00/4.00

## Volunteer and Work Experience

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### Sarasota County Solid Waste Department

May 2021 – Aug. 2021

*Intern*

- Collected data and wrote a report to evaluate the County's Construction and Demolition Debris Recycling Program as part of the Department's Master Plan
- Shadowed various professionals in the landfill industry to learn about daily operations, environmental reporting, and field data collection

### Sustainable Materials Management Research Lab, University of Florida

Feb. 2021 – May 2021

*Undergraduate Research Assistant*

- Explored and compiled data from the DEP Oculus site and the FDEP WACS site
- Prepared figures and reported preliminary findings for a project exploring potential causes of groundwater contamination surrounding a landfill

### Sustainable Materials Management Research Lab, University of Florida

Sept. 2019 – July 2020

*Undergraduate Research Assistant*

- Assisted a graduate student in writing a literature review comparing the greenhouse gas emissions from landfilling and waste to energy treatment, as determined by waste life cycle assessment modeling

### Sustainable Materials Management Research Lab, University of Florida

June 2019 – Aug. 2019

*Undergraduate Research Assistant*

- Collected literature review data to aid graduate research projects on waste life cycle assessment modeling and waste management scenarios around the world

### McKim & Creed, Tampa Office

May 2019 – Aug. 2019

*Engineering Student Intern in the Water Department*

- Contributed drafting skills toward the creation of a set of construction documents for a pipe relocation project using AutoCAD Civil 3D
- Displayed strong attention to detail in reviewing civil, mechanical, structural, and site plans

### Sustainable Materials Management Research Lab, University of Florida

Oct. 2018 – April 2019

*Undergraduate Research Volunteer*

- Assisted a graduate student in her research project to make construction and demolition debris more recyclable
- Demonstrated proper lab techniques and applied knowledge gained in the classroom and lab settings to aid in running a variety of tests to analyze samples

## Publications

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Anshassi, M.; Sackles, H.; Townsend, T. G. A Review of LCA Assumptions Impacting Whether Landfilling or Incineration Results in Less Greenhouse Gas Emissions. *Resources, Conservation and Recycling* **2021**, *174*, 105810. <https://doi.org/10.1016/j.resconrec.2021.105810>.

## Technical Skills

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- AutoCAD Certified User May 2016
- Revit Architecture Certified User May 2018
- Proficient in AutoCAD 2020, 2017, 2015, and 2014; Revit 2018; Microsoft Suite
- Familiar with AutoCAD Civil 3D; Google SketchUp; RStudio