

Isabelle Musmanno

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EDUCATION

Georgia Institute of Technology: Atlanta, GA

December 2020

Bachelor of Science in Environmental Engineering

GPA: 3.74/4.00

Minor in **Leadership Studies**, Scheller College of Business

- Dean's List All Semesters
- *Specialized Concepts*: Sustainability Analysis, NEPA, Hydroponics, Environmental Ethics, Social Enterprise
- *Instrumentation*: MATLAB, AutoCAD, Civil3D, Microsoft Office Suite, Bluebeam

PROFESSIONAL EXPERIENCE

Livable Buckhead: Atlanta, GA - Sustainability Intern

Sept. 2019 - Present

- Auditing and advocating for Buckhead Recycles program by creating infographics from hauler data and hosting lunch & learns for clients
- Retrofitting parking decks with LED lights to improve safety, sustainability, and operating costs
- Supporting Path400 expansion and beautification by bidding for, winning, and planting a public orchard
- Planning community improvement volunteer events to support other city-wide sustainability initiatives
- Conducting research on Employer Assisted Housing programs and how they could impact Buckhead employees
- Writing informational blog posts on local sustainability issues, <https://tinyurl.com/sr2xuqt>

Pennoni: Haddon Heights, NJ - Environmental Engineering Intern

Jan. 2019 - May 2019

- Phase 1 Environmental Site Evaluations
 - Analyzed tax maps, historical photographs, and topographic maps
 - Walked on site to identify areas of environmental concern
 - Completed Open Record Requests on a Federal, State, and county/local level
 - Compiled research and photographs into a comprehensive report for clients
- Phase 2 Remedial Investigation/Action Reports
 - Assisted with various methods of soil and groundwater sampling on site
 - Created tables and visuals analyzing the sampling results/groundwater contour maps in AutoCAD
 - Organized the final reports by creating all the Appendices

Sierra Club: Atlanta, GA — Advocacy Intern

Sept. 2018 - Dec. 2018

- Advanced Clean Energy for All by expanding Atlanta's goal of 100% Green Energy by advocating for electric buses at Georgia Tech through research and information sessions

Central and Eastern European Web for Biodiversity:

Budapest, Hungary — Advocacy Intern

May 2018 - July 2018

- Conducted research on the history and fitness of the European Union's Common Agricultural Policy for a briefing of their Sustainable Rural Development Index

ACADEMIC PROJECTS & RESEARCH

MARTA Headquarters Complex Sustainability Plan

Present

- Evaluating and planning for 5 MARTA facilities across Atlanta to operate more sustainably

Nature, Governance and Sustainability in Costa Rica

Summer 2019

- Tropical Ecology: Behavioral Patterns of Collared Peccaries Based on Size, *Research Project*
- Environmental Policy: Organic Certifications and Ecotourism, *Case Study*

Environmental Impact Assessment: Williamson Rock and Pacific Crest Trail

Fall 2019

- Assessed the implications of recreational rock climbing on Mountain Yellow-Legged Frog populations

Sustainability Analysis: Medellin Metro Cable

Spring 2018

- Analyzed the purpose, characteristics, and quantified impacts of the transit system
- Discussed sustainability recommendations and analysis limitations

LEADERSHIP

Association of Environmental Engineers and Scientists — Co-President

Spring 2018 - Present

- Hosting industry-sponsored lunches, panel discussions, career fairs, social events and research symposiums

Veggie Jackets — Vice President

Fall 2016 - Fall 2019

- Informed the community about the positive impacts of a plant-based diet, and how to lead a more sustainable life

Students Organizing for Sustainability — Secretary

Summer 2016 - Fall 2018

- Promoted sustainable practices through community outreach while maintaining the Community Garden and Compost

Society of Women Engineers — Mentor

Fall 2016 - Spring 2019

Engineers for a Sustainable World — Member

Spring 2017 - Fall 2018

Student Sustainability Advisory Council — Member

Fall 2017 – Present

Trees Atlanta — Volunteer

Fall 2016 – Present