

WYATT T. G. WILLIAMS

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EDUCATION

Georgia Institute of Technology **Atlanta, GA**
Scheller School of Business and School of Civil and Environmental Engineering *Expected graduation* December 2024
Candidate for Master of Business Administration - Sustainability and Management Concentrations GPA: 4.00/4.00
Candidate for Master of Environmental Engineering GPA: 3.82/4.00
Honors: D&R Crutchfield Merit-Based Fellowship

Washington University in St. Louis **St. Louis, MO**
Bachelor of Science | Major: Chemistry; Minors: Spanish and Mathematics *May 2021*
Honors: Dean's List Fall 2018, Fall 2020, Spring 2021 | College Honors GPA: 3.60/4.00

WORK AND RESEARCH EXPERIENCE

Social Equity and Environmental Engineering Lab (SEEL) | Atlanta, GA

Researcher **August 2022 – Present**

- Lead research team to identify, benchmark, and implement equitable sustainable development programs aimed at supporting a circular economy, energy transition, sustainable workforce development, and institutional decarbonization
- Performs Life Cycle Assessments using Simapro LCA Modeling Software and Material Flow Analysis using STAN. Directed projects involving artificial intelligence, machine learning, and geospatial information systems.

Walgreens | Deerfield, Illinois

EDF Climate Corps Fellow **May 2023 – August 2023**

- Supported the achievement of a company-wide 5% diversion goal by collaborating with supply chain, manufacturing, general contractors, and internal teams to develop a circularity strategy for building-related emissions and waste reduction
- Created novel embodied carbon tracking tool, waste generational and characterization tracking tools, and reporting framework for all capital construction processes in a fleet of 11,000 open stores and all proposed new builds
- Demonstrated feasibility of novel circularity tools and strategy by developing and launching 7 nationwide pilot projects

Gershman, Brickner, and Bratton, Inc. | McLean, Virginia

Engineer I **October 2021 – May 2023**

- Advised a global tech company in achieving a 90% diversion goal through regulatory review and store infrastructure review
- Advised and designed testing for Burt's Bees to develop recoverable packaging in consumer packaged goods products
- Performed a waste composition study for Kent County, MI to aid design of a MSW processing infrastructure in a Sustainable Business Park aiming to divert 90% of waste, including three weeks of hands-on fieldwork
- Created a 30-year cost model for the U.S. District Court of Guam to assess post-closure care of the Ordot Dump

Athena Infonomics | Washington, D.C.

Intern **June 2021 – October 2021**

- Researched and analyzed barriers to data use in sustainable development, and co-authored a framing paper for United Nations in association with the Technical Advisory Group for Global Partnership for Development Data (Data4SDGs)

Tolman Lab | St. Louis, MO

Undergraduate Research Assistant **January 2019 – March 2020**

- Synthesized Cobalt Salen catalysts for the copolymerization of perfectly-alternating polyesters using epoxides and cyclic anhydrides, as well as Aluminum Indolide-Imine complexes for the ring-opening polymerization of lactide

ONGOING PROJECTS

- **Progressive Environmental Active Restoration Leaders LLC. (2023):** Co-founded a CleanTech startup aimed to scale nature-regenerative business models through partnerships with sustainable farmers and customer value creation
- **AirForestry (2024):** Conducted U.S. and Canada market sizing analysis for Swedish Drone Technology Startup
- **Ten Principles for PWI Academic Institutions for Engaging in Research Partnerships with Historically Marginalized Communities (2024):** Created principles for community and institutional collaborative research from community-developed frameworks in partnership with the Georgia Tech Center for Sustainable Communities Research and Education
- **Ray C. Anderson Climate-Action Grant Development (2024):** Created grant structure to implement equity- and justice-aligned activities within Drawdown Georgia's Business Compacts climate activities
- **Solar Decathlon (2024):** Lead lifecycle analysis and market analysis with Georgia Tech student team participating in the Department of Energy Solar Decathlon Competition with the aim of building the first net-zero house in Westside Atlanta

PUBLICATIONS

- Under review: "Realizing Justice40: Addressing Structural Funding Barriers for Equitable Community Engagement in Energy RD&D" *Journal of Science Policy & Governance* (2024)
- Under review: "Spatial Scale Potential for Higher Education Fleet Electrification" *Nature Scientific Reports* (2023)
- "The Next Phase in the Climate Change Fight," published in *Waste News Magazine* (Jan/Feb 2022)
- "Barriers to Data Use in Sustainable Development," created by Athena Infonomics as a contribution for Data Values Project, an initiative of the Global Partnership for Sustainable Development Data (August 2021)