

Jamal Thompson

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EDUCATION

Georgia Tech

Bachelor of Science in Environmental Engineering

Atlanta, GA

Aug 2024 – May 2028

Relevant Coursework: Climate Change Mitigation, Sustainable Design, Water Resource Management, Environmental Policy, Renewable Energy Systems

GPA: 3.75/4.0

TECHNICAL SKILLS

Languages and Tools: Python, R, ArcGIS, MATLAB, AutoCAD, Tableau **Platforms:** Remote Sensing, GIS, Climate Modeling Software, Data Visualization Tools

PROJECTS

Urban Heat Island Mitigation Strategy | *Python, GIS, Remote Sensing*

- Developed comprehensive strategy for reducing urban heat island effect
- Created predictive models using satellite and ground-level temperature data
- Proposed green infrastructure solutions with 5% temperature reduction potential

Sustainable Water Filtration System | *MATLAB, AutoCAD*

- Designed low-cost water filtration system for rural communities
- Implemented multi-stage filtration process reducing contaminants by 92%
- Created cost-effective prototype using locally available materials

Renewable Energy Optimization Model | *R, Climate Modeling*

- Developed computational model for renewable energy grid integration
- Analyzed potential carbon emission reductions across different scenarios
- Presented findings to local sustainability policy committee

RESEARCH EXPERIENCE

Climate Resilience Research Assistant

Georgia Tech Climate Lab

Jan 2022 – May 2023

Atlanta, GA

- Conducted research on climate change adaptation strategies
- Analyzed urban environmental sustainability initiatives
- Contributed to published research on community resilience

WORK EXPERIENCE

Environmental Policy Intern

EPA Region 4

Jun 2023 – Aug 2023

Atlanta, GA

- Supported development of regional environmental protection policies
- Conducted data analysis for climate impact assessment reports
- Assisted in creating sustainability recommendation frameworks

Sustainability Consulting Intern

Southface Institute

May 2022 – Aug 2022

Atlanta, GA

- Supported green building certification and sustainability projects
- Performed energy efficiency audits for local businesses
- Developed comprehensive sustainability recommendation reports