

Dillon Colbert

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Education

Washington University

St. Louis, MO

BS Environmental Engineering, Minor in Energy Engineering - McKelvey School of Engineering

May 2025

Relevant Coursework: Air & Water Quality, Urban Planning, Environmental Studies, Chemistry, Computer Science

Experience

Community Design Researcher: ARCH 455 - Community Design Sprints

Gateway South Redevelopment, St. Louis, MO

Washington University, Sam Fox School of Design & Visual Arts

Mar 2025 – Present

- Working with community partner Counterpublic to research transportation and urban connectivity as keys to revitalization
- Inspecting site boundary conditions I-44/55, I-64/55, Mississippi River, and Union Pacific railyard to create solution book

Assistant Instructor

St. Louis, MO

Washington University, Department of Energy, Chemical, and Environmental Engineering (EECE)

Aug – Dec 2024

- Assistant instructor for E44 EECE 314: Air Quality Engineering with Lab
- Facilitated student learning by hosting office hours and assisting experiments

Building Decarbonization Intern

St. Louis, MO

Midwest Climate Collaborative (MCC), Washington University Office of Sustainability

May – Dec 2024

- Performed energy audits on 6 community organization-owned properties, managed data for 200 properties
- Initialized a plan for decarbonizing low-income, multifamily housing, a nascent effort in the St. Louis building sector

Indoor Air Quality Researcher

St. Louis, MO

Washington University, Center for Aerosol Science & Engineering

Jun 2023 – Jan 2024

- Explored the air-dust partitioning of 4 hydrocarbon mixtures with lab experiments
 - Used gas chromatography and mass spectrometry to calculate the concentration of target aromatic compounds
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Leadership & Activities

Environmental Engineering Capstone

St. Louis, MO → Las Cruces, NM

Group Member

Sep 2024 – May 2025

- Designed chemical processes to reutilize captured carbon and extract lithium from produced water brine
- Presented at the Waste-Management Education Resource Consortium competition in April 2025

AccessSTL – Washington University Transportation and Mobility Club

St. Louis, MO

President

Jul 2024 – May 2025

- Increasing transit utilization at Washington University to engage students off-campus and decrease automobile dependency
- Catalyzing a regional bikeshare system by assembling key stakeholders (local & state government, corporations, nonprofits)
 - Pitched to Washington University Office of Sustainability in February 2025 → advanced to Mobility Task Force
- Increased event attendance from 0-3 to 15-20, added 40 new members, upgraded funding category from II → I

American Committee for an Energy Efficient Economy (ACEEE) Conference

Pacific Grove, CA

MCC / Washington University Representative

Aug 2024

- Annotated 3 days of panels/workshops on energy efficiency policy, detailing future best practices, scalability, and attribution
- Connected with representees of local governments, the National Laboratories, Department of Energy, ACEEE, and more

EECE International Experience

Singapore

Student

May 20 – Jun 6, 2023

- Attended National University Singapore lectures in Environmental, Civil, and Materials Engineering
 - Toured facilities at Jacobs Engineering, Global Centre for Maritime Decarbonisation, Us2.ai, Bayer, etc.
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Skills & Interests

Technical: GIS (advanced), Microsoft Office (advanced), CAD, MATLAB, R, Python, Adobe Suite, SketchUp

Interests: Cycling Infrastructure, Climate Policy, Energy Efficiency, Environmental Justice, Transit-Oriented Design, Zoning

Extracurriculars: Cycling, Hiking, Music Concerts & Festivals, Local Gov't & Nonprofit Meetings, Traveling, Writing