

Cameron Dougal

hello@camdougal.com ◦ (413) 374-6956 ◦ Boston & Springfield, MA

EDUCATION

Massachusetts Institute of Technology

Class of 2025

Majoring in **Urban Science and Planning with Computer Science (11-6)**

Minoring in **Environment and Sustainability**

GPA: 5.0

Relevant coursework: Urban Transportation Planning and Policy, GIS Laboratory, The Art and Science of Negotiation, Leadership in Negotiation, Introduction to Urban Design and Development

WORK EXPERIENCE

U.S. Department of Transportation Volpe Center

Community Planner - Student Trainee

Jun - Nov 2023

- Automated a process for validating the location of 6000 FAA infrastructure sites using a topographic map API and Python to make environmental remediation efforts possible.
- Conducted an academic research review by analyzing over 100 recently-published papers to support the development of a FHWA bike and pedestrian strategic agenda.

City of Phoenix Office of Heat Response and Mitigation

Tree Canopy Spatial/GIS Data Specialist

Jan 2023

- Designed and documented a reproducible process for comparing canopy coverage over time using USGS LIDAR data and R, allowing the city to track their tree coverage progress without relying on outside consultants.

Endeavour Inspired Infrastructure

Geospatial Research Analyst Intern

Jun - Aug 2022

- Integrated geospatial datasets into a site selection web map for zero-water data centers.
- Cleaned and added geospatial data and added UI features to map using React JS, Mapbox GL JS, Python, and R.
- Communicated with a flood risk data provider to become a client for their API.

MIT City Form Lab

Undergraduate researcher

Feb - May 2022

- Shaped web documentation for software used for sidewalk network creation and analysis, helping to increase the accessibility of the software.

City of Springfield Department of Parks and Recreation

Intern

Summer 2019 & 2021

- Outlined a new city permitting process for location-based games.
- Researched and prepared online tours for Springfield parks using Esri StoryMaps.
- Created a permanent directory of park deeds.

SKILLS & INTERESTS

Leadership

- Undergrad Association Sustainability Committee - *Co-Chair, Reuse Team Co-Lead*
- Phi Sigma Kappa - *Vice President, created Sustainability Chair position*
- MIT Department of Urban Studies and Planning - *Undergraduate Committee Student Representative*

Athletics

- MIT Lightweight Men's Rowing - *1st Varsity Eight at Intercollegiate Rowing Championships, 2022-2023*
- Pioneer Valley Riverfront Club - *Set three world records for 24-hour indoor rowing*

Hobbies

- Instant Photography, Cycling, Running