

John Alessi

Boston, MA
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WORK EXPERIENCE

Sustainable Mobility Coordinator, Massachusetts Department of Transportation, Boston, MA Jun 2020 – Jun 2021

Serve in the Secretary/CEO's Office under the Director of Sustainable Mobility helping expand access to multi-modal transportation across the Commonwealth. Project Manager for the *Bicycle and Pedestrian Counter Program*, Assistant Project Manager for the *Speed Management to Prevent Fatalities and Serious Injuries Project*, and Support Staff for the *Massachusetts Bicycle and Pedestrian Advisory Board*.

- Research developments in active transportation planning to inform policy development and implementation strategies
- Synthesize findings into research reports and project workplans
- Facilitate internal meetings between planners, engineers, and data scientists
- Conduct outreach to municipalities, RPAs, MPOs, non-profits, advocacy and community groups, and other state agencies
- Coordinate meetings with internal and external partners from a variety of disciplines
- Participate in senior leadership strategy sessions and stakeholder meetings
- Draft presentations for meetings, webinars, and public events

English Language Assistant, French Ministry of Education, Chamonix Mont-Blanc, France Oct 2017 – May 2019

- Instructed intermediate-level English classes for French secondary school students at Lycée & Collège Roger Frison-Roche
- Planned and led daily English classes that promoted spoken and written expression

Renewable Energy Research Intern, Vermont Department of Public Service, Montpelier, VT Jun - Aug 2016

- Researched clean energy policies related to improving the siting of renewable energy projects
- Organized public comment hearings and drafted surveys related to the implementation of passed energy legislation
- Composed case studies of successful renewable energy projects funded by the department's Clean Energy Development Fund

Student Researcher, Vermont Legislative Research Service (VLRS), Burlington, VT Jan - May 2016

- Performed non-partisan policy research for Vermont State Legislators on a broad range of topics
- Trained in gathering and evaluating public policy research
- Collaborated with group members at the University of Vermont to develop non-partisan policy reports

GRADUATE RESEARCH

'Bicycle and Pedestrian Fatalities in Massachusetts's Environmental Justice Communities' Apr 2021

- Research Question: Are environmental justice communities experiencing more bicycle and pedestrian fatalities in Massachusetts?
- Methodology: Using ArcGIS's Hot Spot Analysis Tool to identify fatality clusters overlapped with environmental justice communities and R to determine community characteristics that predict fatality occurrences

'Identifying Equity Gaps in the City of Boston's Code and Property Violations' Dec 2020

- Research Question: Have code and property violations been issued inequitably across Boston census tracts over the past decade?
- Methodology: Used multivariate regressions in R to determine if equity indicators exhibited a predictive effect in violation totals

'Climate Vulnerability Assessment and Resilience Report – Northeastern University's Boston Campus' Dec 2019

- Performed a climate vulnerability assessment of Northeastern's Boston Campus and developed implementable recommendations
- Coordinated with the Senior Planner for Sustainability to create long-term climate adaptation and community resilience strategies
- Trained in examining community-level climate risks placed in the context of the Greater Boston area

EDUCATION

Northeastern University, Boston, MA May 2021

- Master of Science in Environmental Science and Policy, GPA 4.0/4.0
- Relevant Coursework: Advanced Spatial Analysis, Big Data for Cities, Computational Statistics, Program Evaluation

The University of Vermont, Burlington, VT May 2017

- Bachelor of Arts in Political Science and Environmental Studies, Minor in History
- Honors Thesis: *'The Battle for Cape Wind: An Analysis of Massachusetts Newspapers and their Framing of Offshore Wind Energy'*

SKILLS

Microsoft Suite (Word, Excel, PowerPoint) • Data Analysis (R) • Spatial Analysis (ArcGIS Pro) • StreetLight Insight® Transportation Analytics • Program Development and Evaluation • French Language (Near-fluency in speaking, writing, reading, and listening)