

Mike Mahoney

Analyst, Wayfair Inc.

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Education

State University of New York College of Environmental Science and Forestry (SUNY-ESF)

Syracuse, New York

BACHELOR OF SCIENCE WITH HONORS MAGNA CUM LAUDE IN FOREST ECOSYSTEM SCIENCE (GPA: 3.723)

December 2018

- Thesis: Beaver Foraging Preferences and Impacts on Forest Structure in New York's Adirondack Mountains

Publications

IN REVIEW

- 2020 **Stem size selectivity is stronger than species preferences for beaver, a central place forager.** Mahoney, M. J., and Stella, J. C. Forest Ecology and Management.

Awards and Honors

- 2018 Robin Hood Oak Award for Academic Excellence
2018 Robert M. Hicks Award for Academic Achievement
2018 ESF Career Fellowship
2017 Outstanding Student Award for Accomplishments in Field Ecology and Dendrology
2016 Tutor of the Semester

Conference Activity

CONTRIBUTED TALKS

- 2018 **Beaver Foraging Preferences and Impacts on Forest Structure in the Adirondack Mountains of New York.** Mahoney, M. J., and Stella, J. C. Forest Ecosystem Monitoring Collective Conference, Burlington, VT.
- 2018 **Beaver Foraging Preferences and Impacts on Forest Structure in the Adirondack Mountains of New York.** Mahoney, M. J., and Stella, J. C. Rochester Academy of Sciences Fall Scientific Paper Session, Geneseo, NY.

POSTER PRESENTATIONS

- 2019 **Nutritional Impacts on Invasive Beech Scale Quantification in Beech Bark Disease Aftermath Forests.** Dillon, G., Mahoney, M. J., Chase, S., and Johnston, M. New York Society of American Foresters Annual Meeting, Syracuse, NY.
- 2018 **Impacts of Beaver on Forest Structure and Composition.** Mahoney, M. J., Zevin, R., and Stella, J.C. Spotlight on Student Research, Syracuse, NY.
- 2018 **Impacts of Fertilization on Causal Organisms of Beech Bark Disease.** Mahoney, M. J., Leimanis, V., Desrochers, M. L., Giambona, B., Johnston, M. T., Yanai, R. D., and Dillon, G. A. Spotlight on Student Research, Syracuse, NY.
- 2017 **An Investigation of Nutritional Effects on Beech Bark Disease Causal Organisms.** Lasser, G. A., Johnston, M., Mahoney, M., Leimanis, V., and Stoodley, J. Forest Ecosystem Monitoring Collective Conference, Burlington, VT.
- 2017 **An Investigation of Nutritional Effects on Beech Bark Disease Causal Organisms.** Lasser, G. A., Johnston, M., Mahoney, M., Leimanis, V., and Stoodley, J. Poster session presented at the Rochester Academy of Sciences Fall Scientific Paper Session, Rochester, NY.

Teaching Experience

STATE UNIVERSITY OF NEW YORK COLLEGE OF ENVIRONMENTAL SCIENCE AND FORESTRY

Introduction to Geospatial Information Technologies. Teaching Assistant. Fall 2018

Watershed Ecology and Management. Course Grader. Fall 2018

General Biology I: Organismal Biology and Ecology. Teaching Assistant. Fall 2016

Research Experience

2017-2020 **Stella Riparian and Stream Ecology Laboratory** Independent Researcher

2017-2019 **Yanai Forest Ecosystem Science Laboratory** Research Intern

Community Involvement and Outreach

2019 - **Code for Boston - Clean Slate Project.** Data Scientist and Project Manager (Volunteer).

Present Project working with Greater Boston Legal Society to advance criminal justice reform efforts.

Professional Experience

2019 -
Present **Analyst, Forecasting and Analytics.** Wayfair, Inc. Boston, MA.

2018 **Beaver Impact Assessment Intern.**
New York State Department of Environmental Conservation. Albany, New York.

Software Development

2020 **heddlr:** Lead developer
Tools to enable functional programming workflows for dynamic R Markdown document generation.

2020 **spacey:** Lead developer
USGS and ESRI data access for beautiful landscape visualization.