

JESS STRZEMPKO

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RELATED EXPERIENCE

Spatial Analyst Intern | Conservation International | June - Sept 2021

Supported analyses of natural climate solutions in Google Earth Engine
Acted as a liaison with Clark Labs to provide guidance on use of datasets
Contributed documentation to three peer-reviewed manuscripts

Teaching Assistant | Advanced Vector, Social Applications of GIS, GIS for International Development | 2020-2021

Assisted professor in lesson planning and taught weekly lab sessions
Motivated students to improve their cartographic practice

GIS Intern | Water Systems Analysis Group | Summer 2020

Research Project: "Characterization of wetland scaling and influence in the Ipswich and Parker River watersheds of northeastern Massachusetts"

Mapping Intern | Ger Community Mapping Center | May 2019

Aided the organization in applying for funding from the European Union Switch II Asia program through mapping of personal air pollution exposure

Research Assistant | Polar Science Research Laboratory | Fall 2018

Continued annual processing of seawater samples collected by NOAA's Distributed Biological Observatory for Arctic biophysical change detection

Intern | NOAA Northeast Fisheries Science Center | Summer 2018

Presented research titled "Assessing Intra-fish scale Variability in Atlantic Salmon (*Salmo salar*) from the Narraguagus and Sheepscot Rivers, ME" at Clark University's 2019 Academic Fall Fest

Co-authored annual report to U.S. Atlantic Salmon Assessment Committee

EDUCATION

Master of Science in GIS | Clark University | Received June 2021

Successfully defended master's thesis titled "The Flow matrix offers a straightforward alternative to the problematic Markov matrix"
Received 3rd place award in John Odland student paper competition at American Association of Geographers conference in April 2021

Bachelor of Arts | Clark University, Worcester, MA | Received May 2020

Environmental Science, Minor: Mathematics
Relevant coursework: Vector & Raster GIS, Linear Models, Introduction to Remote Sensing, Forest Ecology, Field Methods for Environmental Science

High School Diploma | Holliston High School | Received May 2016

ADDITIONAL EXPERIENCE

Preservationist, Serials Assistant | Goddard Library | 2017 - 2021

President, Treasurer | Clark's Women in STEM | April 2018 - May 2020

President, Secretary | Clark Sustainability Collaborative | 2018 - 2019

SKILLS

ArcGIS (Pro, Map, Online),
QGIS, TerrSet, GeoDa,
Google Earth Engine,
Google Colaboratory

R, JavaScript, Python, HTML,
CSS

Google Drive (Docs, Sheets,
Slides, Forms), Microsoft
Office (PowerPoint, Excel,
Word)

Project Leadership

Remote Work Experience

Spanish (Intermediate),
Mongolian (Beginner),
Polish (Beginner)

RECOGNITION

Edna Bailey Sussman Fund
Graduate Fellowship (2020)

Undergraduate High Honors,
Summa Cum Laude

Inductee to Phi Beta Kappa &
Gamma Theta Upsilon Honor
Societies

2020 Environmental Science
Academic Excellence Award

Marsh-Mosakowski NOAA
Fellowship (2018)

Richard Traina Scholarship
(2016-2020)