

JESSICA STRZEMPKO

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PROFESSIONAL EXPERIENCE

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"

Teaching Assistant | Advanced Vector, Social Applications of GIS | 2020

Graded weekly lab assignments and assisted in lesson planning

Mapping Intern | Ger Community Mapping Center | May 2019

Mapped personal air pollution exposure data of 8 individuals collected for the European Union Switch II Asia program

Research Assistant | Polar Science Research Laboratory | Fall 2018

Processed and analyzed 100 seawater samples collected by NOAA's Distributed Biological Observatory

Intern | NOAA Northeast Fisheries Science Center | Summer 2018

Research project: "Assessing Intra-fish scale Variability in Atlantic Salmon (*Salmo salar*) from the Narraguagus and Sheepscot Rivers, ME"
Co-author on 2019 ASERT Image Analysis Labs Annual Report to USASAC

EDUCATION

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

Thesis: "Flow and Markov matrices for categorical transition extrapolation"

Bachelor of Arts | Clark University | Received May 2020

Major: Environmental Science, Minor: Mathematics
High Honors, Summa Cum Laude, Graduating GPA: 4.11
Relevant coursework: Vector & Raster GIS, Linear Models, Remote Sensing
Inductee to Phi Beta Kappa & Gamma Theta Upsilon Honor Societies

High School Diploma | Holliston High School | Received May 2016

Class Valedictorian, Principal's List, Member of National Honor Society

ADDITIONAL EXPERIENCE

Preservationist, Serials Assistant | Goddard Library | Fall 2017 - present

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

President, Secretary | Clark Sustainability Collaborative | 2018 - 2019

SKILLS

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

R, Python, JavaScript

Google Drive (Docs, Sheets,
Slides, Forms, etc)

Microsoft Office (PowerPoint,
Excel, Word)

Project Leadership

Remote Work Experience

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

AWARDS

Edna Bailey Sussman Fund
Graduate Fellowship (2020)

2020 Environmental Science
Academic Excellence Award

Marsh-Mosakowski NOAA
Fellowship (Summer 2018)

Richard Traina Scholarship
(2016-2020)