

Emma J. Katz  
430 E 6<sup>th</sup> St Apt 15G, New York, NY 10009  
(848) 218-3725 | emmajkatz1@gmail.com

## EDUCATION

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### Bates College

Lewiston, ME

*Bachelor of Arts: Environmental Studies Ecology Major, Education Minor*

*Class of 2017*

- Cumulative GPA: 3.55/4.0
- Studied abroad at University of Western Australia in Perth, Australia (7/15/15 – 11/15/15)
- Relevant coursework: Teaching in the Sciences, Conservation Biology, Community Engaged Research, Global Change in Terrestrial Ecosystems, Ecology and Evolution, Scientific Approaches to Environmental Issues, Environment & Society
- Senior ES Capstone: Water Security at Whiting Farm, Auburn ME 2016

## TEACHING EXPERIENCE

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### Success Academy Charter Schools

Brooklyn, NY

*Kindergarten Teacher*

*August 2017 – Present*

- Provide direct instruction in reading, writing and math to 4-5 year olds
- Work directly with a co-teacher to provide best instruction to students
- Implement innovative and engaging lesson plans and activities
- Collaborate and plan with other teachers within grade and leaders in the school
- Maintain communication with parents and administrators regarding students' growth and well-being

### Auburn Public Schools

Auburn, ME

*Student Teaching*

*September 2016 – May 2017*

- Full time student teacher of 10<sup>th</sup>/11<sup>th</sup> grade biology at Edward Little High School in Auburn, ME
- Collaborated with teachers to develop curriculum and prepared lessons plans in science
- Planned, prepared and delivered lesson plans and instructional materials that facilitated active learning

### Lewiston Public Schools

Lewiston, ME

*Volunteer Teaching*

*September 2013 – June 2016*

- Worked with students from 2<sup>nd</sup> grade to high school
- Assisted teacher instruction by giving individual attention to struggling students
- Tutored students in reading, writing, science and math in after school programs

### Monmouth County Parks System

Lincroft, NJ

*Outdoor Adventure Camp Counselor*

*Summers 2013, 2014, 2015*

- Guided weeklong outdoor trips for K-11<sup>th</sup> graders while working in conjunction with two other leaders
- Led overnight trips and activities including kayaking, hiking, rock climbing, canoeing, biking and surfing
- Planned, coordinated, and executed activities while guiding campers in personal growth
- Responsible for safety of participants including responding to camper behavioral and medical issues

## COMMUNITY CONSERVATION EXPERIENCE

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### St. Mary's Nutrition Center

Lewiston, ME

*Spring Garden Fellow – Lots to Gardens*

*April – August 2016*

- Worked to create a sustainable food system for those affected by inadequate food access in Lewiston, ME
- Instructed low income and refugee families on gardening practices to supplement their nutritional diet
- Worked alongside and led youth and volunteer gardeners, as well as local community gardeners
- Managed volunteer gardeners and was responsible for their work in the greenhouses and gardens
- Worked full time planting seeds and caring for seedlings in greenhouses and gardens in local area

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## **SCIENTIFIC RESEARCH EXPERIENCE**

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### **Bates College Biology Department**

**Lewiston, ME**

*Summer Research Fellow and Thesis Research*

*June 2016 – June 2017*

- Designed and conducted a research project on the visitation rates of bumblebees to non-rewarding flowers
- Analyzed collected data using R and SPSS to view correlation between visitation rates and flower type
- Concluded that an intermixed arrangement produced more visits to non-rewarding flowers

### **Bates College Biology Department**

**Lewiston, ME**

*Biology Research Assistant*

*December 2015 – June 2016*

- Assisted in lab with research on White Pine Needle Disease in New England
- Processed and analyzed twig, needle and stem tissue for starch content using chemical analysis

## **PUBLICATIONS**

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- E. Katz and C. J. Essenberg. The effect of the dispersion of rewarding and rewardless flowers on visitation and constancy by bumblebees (*Bombus impatiens*). *Journal of Pollination Ecology*, 23(13), 2018, pp 119-126.
- Available for download from:  
<http://www.pollinationecology.org/index.php?journal=jpe&page=article&op=view&path%5B%5D=452>

## **SKILLS**

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- Proficient with Microsoft Office
- Praxis Core Certified