

Your Name
Your Home Address
Your Phone Number | Your Email

EDUCATION

Miami University / Project Dragonfly

Oxford, OH

Master of Arts: Biology

Class of 2021

- Advanced Inquiry Program (AIP) at the Wildlife Conservation Society/Bronx Zoo
- Community Leadership Project: Sumner Playground pollinator garden, Brooklyn NY
- Authorship Leadership Project: Bee visitation to flowers throughout New York City
- Relevant coursework: Conservation Science & Community (BIO 631), Project Design & Assessment (BIO 663)
- Master's Focus: [The City's Abuzz: Increasing Stewardship for Pollinators in NYC](#)

Bates College

Lewiston, ME

Bachelor of Arts: Environmental Studies Ecology Major; Education Minor

Class of 2017

- Studied abroad at University of Western Australia in Perth, Australia (July-November 2015)
- Senior Project: Water Security at Whiting Farm, Auburn ME
- Senior Thesis: The Effect of Dispersion of Non-Rewarding Flowers on Visitation by Bumblebees
- Inducted into Sigma Xi Scientific Research Honor Society

PUBLICATIONS

Rajbhandari, A., Matteson, K., **Katz, E.**, LeBuhn, G., & Johnson, E. (2023). Bee visitation to flowers throughout New York City. *The Journal of Landscape & Urban Planning*, 233.

<https://doi.org/10.1016/j.landurbplan.2023.104689>

Katz, E., & Essenberg, C. (2018). The effect of the dispersion of rewarding and rewardless flowers on visitation and constancy by bumblebees (*Bombus impatiens*). *The Journal of Pollination Ecology*, 23(13), 119-126.

[https://doi.org/10.26786/1920-7603\(2018\)14](https://doi.org/10.26786/1920-7603(2018)14)

RESEARCH EXPERIENCE

Bates College Biology Department

Lewiston, ME

Summer Research Fellow and Thesis Research

May 2016 – June 2017

- Conducted experiment and collected bumblebee visitation data to both rewarding and non-rewarding flowers
- Recorded, entered, organized, synthesized, and analyzed data using R and SPSS
- Wrote and published scientific manuscript reporting project results

Bates College Biology Department

Lewiston, ME

Biology Research Assistant

December 2015 – June 2016

- Investigated and projected effects of White Pine Needle Disease in New England
- Conducted vegetation surveying, specimen sampling, and data preparation for analysis

WORK EXPERIENCE

Success Academy Charter Schools

Brooklyn, NY

Lead Science Teacher

August 2017 – June 2023

- Grade team lead for science (2021-present); Managed and supported other science teachers
- Developed and implemented inquiry-based, hands-on science curriculum for grades k-4
- Achieved 80%+ passing rate across all grades on internal science assessments
- Ranked top 5 for performance in grades 2-4 across Success Academy network among 30 schools

CERTIFICATIONS & SKILLS

- Knowledge of laboratory procedures and equipment; Specializing in data collection and analysis
- Certified Life Science Teacher with the Maine Department of Education - Grades 6-12

INTERESTS

- Enjoy hiking, skiing, and cycling; passionate about animal rights and environmental conservation