

# EDELI TUREYGUA *(THEY/ELLE)*

PREVIOUSLY KNOWN AS AMY V. VASQUEZ

## EDUCATION

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<b>Johns Hopkins University (JHU)</b> , Baltimore, MD <i>Master of Arts</i> Program: Earth and Planetary Sciences ( <i>Doctoral</i> )	December 2022
<b>California State University – Los Angeles</b> , CA <i>Master of Science</i> Program: Environmental Science, Biology Track	May 2021
<b>Tufts University</b> , Medford, MA <i>Bachelor of Science</i> 1st Major: Biopsychology 2nd Major: Environmental Studies, Science Track	May 2018
<b>Miami-Dade College – North</b> , Miami, FL <i>Associate of Arts</i> Major: Biology	May 2014

## HONORS & AWARDS

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The Joan Ehrenfeld Award for Best Student Presentation in Urban Ecology (ESA)	2021
Research Initiative for Scientific Enhancement (RISE) MS-to-PhD Training Fellowship	2019 – 2020
Emeriti Fellowship Fund	2019
Graduate Equity Fellowship	2019
The 50th Class Reunion Scholarship	2019
Benjamin A. Gilman International Scholarship	2017

## GRANTS

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JHU Earth & Planetary Sciences Graduate Summer Field Grant	2021, 2023
Society for Conservation Biology Graduate Research Grant	2019
Santa Monica Audubon Society Research Grant	2019

## CERTIFICATIONS

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Nonprofit Essentials, <i>NonprofitReady</i>	2025
Nonprofit Board Member Essentials, <i>NonprofitReady</i>	2025
Financial Management Essentials, <i>NonprofitReady</i>	2025
Marketing Essentials, <i>NonprofitReady</i>	2025
Grant Seeking Essentials, <i>NonprofitReady</i>	2025
Leadership Essentials, <i>NonprofitReady</i>	2025
Fundraising Essentials, <i>NonprofitReady</i>	2025

## RESEARCH EXPERIENCE

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### **Johns Hopkins University, *Graduate Research Assistant*, Baltimore, MD**

August 2020 – June 2023

- Collected homeowner responses to surveys about their yards and coordinated yard visits for plant data collection.
- Led and instructed small group to conduct plant surveys in Baltimore residential yards, including: lawn quadrats, tree ID and dbh measurements, and shrub and flowering plant ID.
- Used remote sensing and classification analysis to quantify vegetation and impervious cover in Baltimore city.
- Helped collect soil macrofauna samples and conduct grassland plant ID at Konza Prairie LTER.
- Extracted and quantified soil microbial DNA from Konza Prairie soil samples.
- Helped take soil cores in Baltimore vacant lots and parks.
- Analyzed plant community and soil property data using R.
- Spent time planning and developing various project ideas related to site- and landscape-level socio-ecological patterns in the urban environment.
- Worked between 20-30 hours weekly.

### **California State University – Los Angeles, *Graduate Research Assistant***

August 2018 – May 2020

- Conducted repeated area search bird surveys in 60 parks across Los Angeles County over the course of 2 years.
- Organized, led, and instructed small groups of undergrads for field work.
- Recorded and transcribed bird foraging observations in parks.
- Identified, measured (diameter at breast height), and mapped all trees in parks within initial bird survey path.
- Analyzed survey data using R and used ArcGIS for spatial and remote sensing analysis.
- Produced a thesis research paper and presented project at a national conference.
- Worked between 30-40 hours weekly.

### **California State University – Los Angeles, *Graduate Research Assistant***

September 2018 – July 2019

- Performed and troubleshoot Polymerase Chain Reactions (PCR) and electrophoresis for sex determination of moss.
- Extracted DNA from moss and soil samples for analysis.
- Assisted lab graduate students with GIS applications for their research.
- Created and managed laboratory website.
- Completed other general lab management tasks.
- Worked 20 hours weekly.

### **Tufts University, *Research Assistant*, Medford, MA**

January 2017 – May 2018

- Studied occluded action discrimination in pigeons using operant conditioning.
- Analyzed and interpreted data using R.
- Presented research in the form of a poster at conferences and symposia.

- Provided daily care of birds, including daily weighing, feeding, cleaning, and enrichment.
- Completed general lab maintenance tasks.
- Worked ~10 hours weekly.

**School for Field Studies, *Student Researcher*, Karatu, Tanzania**

June 2017 – August 2017

- Completed coursework in ‘Wildlife Management and Conservation’ and ‘Field Research Techniques’.
- Conducted vegetation and wildlife identification and sampling.
- Studied density and habitat preferences of wildlife species.
- Studied bird diversity and carnivore/ungulate behavior in Serengeti National Park.
- Gathered community insights, experiences, and perspectives to inform data analysis related to local wildlife and resource management.
- Gained skills in experimental design, hypothesis testing, and data gathering and analysis.
- Worked up to 40 hours weekly.

## TEACHING EXPERIENCE

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**Kelly Education**, Miami-Dade County, FL, *K-12 Substitute Teacher*  
*Work up to 33 hours weekly*

August 2024 –  
 Present

**Johns Hopkins University**, Baltimore, MD, *Teaching Assistant*  
*Worked 20 hours weekly*

August 2021 –  
 May 2023

**Los Angeles Department of Parks & Recreation**, CA, *ESTEAM Curriculum Instructor*  
*Worked 20-30 hours weekly*

June 2019 –  
 August 2019

**California State University – Los Angeles**, *Graduate Assistant*  
*Worked 20 hours weekly*

August 2018 –  
 June 2019

## PUBLICATIONS

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**Vasquez AV** and Wood EM. 2022. Urban parks are a refuge for birds in park-poor areas of cities. *Front. Ecol. Evol.* 10:958572. doi: [10.3389/fevo.2022.958572](https://doi.org/10.3389/fevo.2022.958572)

## PRESENTATIONS

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**Department Talk**, JHU Earth & Planetary Sciences Journal Club, Baltimore, MD, March 2023  
[\*Light, not Blight: An investigation into the microbial communities of Baltimore vacant lots\*](#)

**Department Talk**, JHU Earth & Planetary Sciences Journal Club, Baltimore, MD, February 2022  
*Planting Resilient Cities: The ecological effects of race and wealth disparities in Baltimore*

**Conference Talk**, Ecological Society of America Annual Meeting, Long Beach, CA, August 2021  
*The influence of urban park features and the surrounding cityscape on birds across a socioeconomic gradient*

**Poster Presentation**, International Conference on Comparative Cognition, Melbourne Beach, FL, April 2018  
*Partially Occluded Action Discrimination in Pigeons*

## PROFESSIONAL & PUBLIC SERVICE

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**Elections Poll Worker**, Miami-Dade County Elections Department, FL  
*Inspector*, Worked ~21 hours total

November 2024

In this position I alternated between Ballot Inspector, Privacy Booth Inspector, and DS200 Inspector responsibilities. Responsibilities included distributing ballots to voters, directing voters from ballot table to privacy booths and from booths to DS200s, maintaining control of access to the DS200s, and guiding voters on how to submit their ballots. I also learned and executed optimal customer service and team-working skills.

**Women of Color in Ecology, Evolution, & Biology**, Virtual  
*Mentor*, Worked ~2 hours monthly

January 2022 –  
May 2022

In this position I met virtually once a month with a Master's student to provide guidance, feedback, and support in any way they needed.

**Johns Hopkins University**, Department of Earth and Planetary Sciences, Baltimore, MD  
*Graduate Student Co-President*, Worked ~5 hours weekly

August 2021 –  
July 2022

In this position I served as one of two leaders of the department's graduate student body. I helped organize and assign graduate student jobs and committees for the maintenance and smooth running of the department. I also helped resolve issues for graduate students, organized committee meetings, and served as a mediator between graduate students and faculty/administration.

**Johns Hopkins University**, Graduate Representative Organization, Baltimore, MD  
*Department General Council Representative*, Worked ~3 hours bi-weekly

August 2020 –  
May 2021

In this position I represented my department's graduate students during general council meetings. I voted for officers and initiatives that would benefit the graduate students I represented. And I participated in bi-weekly meetings to ask questions, share input, ensure funding, and obtain important information for the graduate students of my department.

**California State University – Los Angeles**, Naturalist Club  
*Treasurer*, Worked ~2 hours bi-weekly

April 2019 –  
December 2019

In this position I was responsible for getting approval for funding of club events. I helped plan monthly field trips that allowed members to learn about and experience California's native ecosystems, plants, and animals. I also helped coordinate with professors and graduate students to put together a panel on academic/professional experiences and current research in the field of ecology.

**California State University – Los Angeles**, Environmental Policy Committee  
*Committee Member*, Worked ~2 hours weekly

August 2019 –  
May 2020

In this position I collaborated with school administrators to formulate and implement policies that created a more environmentally sustainable campus. I helped educate the campus community on topics of environmental sustainability and justice. I also helped plan and host large events that promoted environmental stewardship on and off campus.

**Museum of Science**, Boston, MA  
*Live Animal Center Intern*, Worked 10 hours weekly

October 2016 –  
December 2016

In this position I engaged in general animal husbandry activities such as: cleaning and maintaining animal enclosures and exhibits, preparing meals and feeding animals, providing enrichment, monitoring animals, and keeping records of activities and conditions. I also learned proper handling techniques for various reptiles, mammals, and insects.

**South Florida Wildlife Center**, Fort Lauderdale, FL  
*Wildlife Nurse Intern*, Worked 40 hours weekly

May 2015 –  
August 2015

In this position I helped rehabilitate injured and orphaned baby wildlife native to South Florida. This involved cleaning and maintaining enclosures, preparing diets and formulas, hand feeding young animals using species-appropriate techniques, providing enrichment, and documenting all wildlife

care and observations. I also provided overnight care to newborn birds and squirrels.

**Stone Zoo, Stoneham, MA**

*Zoo-Keeper Aide, Worked ~5 hours weekly*

January 2015 –  
May 2015

In this position I assisted with the husbandry of animals at the zoo. This involved cleaning animal exhibits, and preparing food, diets, and enrichment items for them. On occasion, I also talked to zoo patrons about wildlife and conservation.

**Zoo Miami, Miami, FL**

*Conservation Teen Scientist, Worked up to 6 hours weekly*

January 2013 –  
March 2014

In this position I talked to ~100 zoo patrons a day using animal biofacts, and informed them on endangered species and how to help with conservation efforts.