

Roshni Katrak-Adefowora

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EDUCATION

Master of Environmental Science and Management, 4.0 GPA (Expected June 2022)

Conservation Planning Specialization

Bren School of Environmental Science & Management – University of California, Santa Barbara

Highlighted Coursework: GIS, Advanced Data Analysis, Conservation Planning, Environmental Writing, Advanced Environmental Communication (completed by June 2021)

Bachelor of Arts in Biology, Concentration in Environmental Science, 3.70 GPA, *cum laude* (May 2019)

Occidental College – Los Angeles, CA

Honors: Graduated with departmental Honors

Awards: Creating Opportunities in Science and Mathematics for Occidental Students Scholarship (NSF funding for research, 3 years), Maria Pereyra Award, Undergraduate Summer Research Program Fellow

Highlighted Coursework: GIS, Computational Biology, Field Ecology, Environmental Economics and Policy

ENVIRONMENTAL EXPERIENCE

Arroyos & Foothills Conservancy, Pasadena, CA (1/18–8/20)

Field Administrator (5/19–8/20)

- Contacted 70 schools in Los Angeles County to offer educational and service field trips and scheduled and secured transportation for 63 field trips for the 2019-2020 school year
- Led outdoor field trips on conservancy land for groups of 10-20 K-12 students on native plants, wildlife, geology, and the importance of conservation
- Organized and advertised 2-hour field trip docent trainings with handouts twice a year
- Created virtual field trips to adapt to COVID-19 restrictions

Conservation Intern (1/18–5/19)

- Set up and monitored 20 wildlife cameras over 2 years to survey wildlife and identify potential wildlife corridors; trained and oversaw volunteers and interns
- Analyzed camera trap and community science observation data with landscape resistance modelling to identify major urban wildlife corridors in Los Angeles
- Tabled at Earth Day events, school science nights, and other science- or environment-related events to inform people about local wildlife and the conservancy's efforts to preserve wildlife habitat
- Managed social media accounts and weekly wildlife posts on Facebook, Instagram, and Twitter
- Performed administrative tasks, including writing thank you letters, scheduling meetings, and preparing documents

Occidental College, Los Angeles, CA (8/16–5/19)

Undergraduate Researcher – Citizen Science and Wildlife Conservation

- Conducted a citizen science study in which I set up and monitored camera traps on an urban college campus and had individuals with varying backgrounds in biology identify the animals in the photos, both with and without just-in-time training, to assess their accuracies; data analyzed in R
- Combined camera trap and community science observation data with landscape resistance modelling to identify major urban wildlife corridors in Los Angeles; data compiled and analyzed in R and Circuitscape

ADDITIONAL EXPERIENCE

Biostatistics Teaching Assistant – Occidental College, Los Angeles, CA (1/19–5/19)

- Aided students with data analysis concepts and the statistical analysis program R

Co-Founder, Treasurer – Occidental College Periodic Baking Club, Los Angeles, CA (8/16–5/19)

- Organized and led meetings on the chemistry of baking and managed finances

Supervisor and Barista – Green Bean Coffee Lounge, Los Angeles, CA (1/16–5/19)

- Monitored baristas, took customer orders, prepared drinks, and ensured the shop's cleanliness

PUBLICATIONS AND PRESENTATIONS

Just-in-Time Training Improves Accuracy of Citizen Scientist Wildlife Identifications from Camera Trap Photos. Co-authored 5,339-word [article published in *Citizen Science: Theory and Practice*](#) (2020); presented findings in poster presentations at 3 conferences.

Conference Presentations: Occidental College Summer Research Conference, Los Angeles, CA (8/17); Western Society of Naturalists Conference, Pasadena, CA (11/17); Southern California Academy of Sciences Conference, Pomona, CA (5/18)

(In preparation) Landscape connectivity models predict wildlife observations for nine terrestrial mammal species in Los Angeles. Co-authored 6,573-word article; presented findings in a 20- and 40-minute talk at a conference and seminar series.

Presentations: International Urban Wildlife Conference, Portland, OR (6/19); Occidental College Biology Seminar Series, Los Angeles, CA (9/20)

SKILLS

Computer: Microsoft Office (Word, Excel, PowerPoint), R Statistical Software, website design (WordPress)

Languages: English (native), Spanish (proficient), Hindi (conversational)

Presentations: Presented at informal events and professional conferences to 60+ people; experience giving both 10-minute and 45-minute talks, as well as conversational poster presentations