

## Education

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|---------------------------|---|
| 2017 – 2022 (anticipated) | <b>University of California, Davis</b><br>Ph.D., Ecology  |
| 2013 – 2017               | <b>University of California, Berkeley*</b><br>B.S., Forestry and Natural Resources<br>B.A., Statistics<br>Minor in Sustainable Design<br><i>*Honors with high distinction</i> |

## Publications

1. **Ke, A.**, Sibiya, M. D., Reynolds, C., McCleery, R. A., Monadjem, A., & Fletcher, R. J. (2018). Landscape heterogeneity shapes taxonomic diversity of non-breeding birds across fragmented savanna landscapes. *Biodiversity and Conservation*, 1-18.
2. Love, K., Kurz, D. J., Vaughan, I. P., Ke, A., Evans, L. J., & Goossens, B. (2018). Bearded pig (*Sus barbatus*) utilisation of a fragmented forest-oil palm landscape in Sabah, Malaysian Borneo. *Wildlife Research*, 44(8), 603-612.
3. Reynolds, C., Fletcher, R. J., Carneiro, C. M., Jennings, N., **Ke, A.**, LaScaleia, M. C., ... & Magagula, C. N., (2018). Inconsistent effects of landscape heterogeneity and land-use on animal diversity in an agricultural mosaic: a multi-scale and multi-taxon investigation. *Landscape Ecology*, 1-15.
4. **Ke, A.**, Luskin, M. S., (2017). Integrating disparate occurrence reports to map data-poor species ranges and occupancy: a case study of the Vulnerable bearded pig *Sus barbatus*. *Oryx*, 1-11.
5. Luskin, MS., **Ke, A.**, (2017). The bearded pig. In Melletti, M., & Meijaard, E. (Eds). *Ecology, Conservation and Management of Wild Pigs and Peccaries*. Cambridge University Press.
6. Luskin, MS., Linkie, M., Meijaard, E., **Ke, A.**, (2016). *Sus barbatus*. The IUCN Red List of Threatened Species: e.T41772A10559190.

## Publications in review

1. Karp, D., Echeverri, A., Zook, J., Juarez, P., **Ke, A.**, Krishnan, J., Chan, K., Frishkoff, L., Remnant forest on private land fosters Neotropical bird communities that are indistinguishable from formal reserves. *Journal of Applied Ecology*.
2. Frishkoff, L., Daily, G., Karp, D., Ke, A., ..., Countryside Biogeography: Distribution of species and ecosystems. Current Landscape Ecology Reports. (invited contribution).
3. Mastrangelo, M., Perez-Harguindeguy, N., ..., **Ke, A.**, ..., Mind the gap: Identification and characterization of research gaps based on IPBES assessments (2014-2018).

## Peer Review

Oryx; Scientific Reports; Biotropica

## Presentations and Workshop Sessions

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| 2018 | Aggie Connections Freshman Seminar at UC Davis.                                 |
| 2018 | Wildlife, Fish, and Conservation Biology Seminar at UC Davis.                   |
| 2018 | American Ornithological Society conference in Tucson, AZ.                       |
| 2017 | Bay Area Conservation Biology Symposium at UC Davis.                            |
| 2016 | Savanna Research Centre Biodiversity Symposium in Swaziland.                    |
| 2015 | Wildlife Society's Advanced Camera Trapping Workshop in Santa Rosa, California. |
| 2015 | College of Natural Resources Advisory Board Meeting, UC Berkeley.               |

## Awards

2018	Selma Herr Award (\$3400)
2018	American Ornithological Society Student Membership Award
2017	Institute of International Studies Outstanding Poster Award (\$250)
2017	NSF Graduate Research Fellowship (\$138,000)
2016	Institute of International Studies Merit Scholarship (\$2,000)
2016	Show-Kotok Scholarship (Merit-based scholarship at UC Berkeley; \$2,000)
2016	College of Natural Resources Travel Grant (\$1,000)
2015	Grant-in-Aid of Research (\$500)
2015	College of Natural Resources Travel Grant (\$1,000)
2015	SERC Decal Fellowship (\$200 for class resources)
2014	Dineen Scholarship (Merit-based scholarship at UC Berkeley; \$5,000)

## Teaching Experience

Winter 2019	Teaching Assistant for Tropical Ecology (WFC 198)
Winter 2019	Helper for R-Davis Data Carpentry Course
Fall 2018	Teaching Assistant for Conservation Biology (WFC 198)
Spring 2015	Mathematics Tutor for The MasterCard Foundation
Fall 2015	Facilitator for "Sustainable Energy for a Greener Tomorrow"
Fall 2014	Mathematics Tutor for The Student Learning Center

## Research experience

2018-present	<b>Davis Nest Box Network Field Leader:</b> Coordinate with our museum staff, train interns, schedule team visits, and ensure programmatic and data integrity for a bluebird nest box network in Davis parks
2018	<b>Field project leader in the Magdalena River Valley, Colombia:</b> Planned and completed nine weeks of bird and vegetation surveys at 12 sites along the Magdalena River Valley to measure the effects of climate and land-use change on Neotropical bird communities
2016 - 2017	<b>IREs Researcher in Swaziland with the University of Florida:</b> Completed nine weeks of field work in Swaziland focused on bird surveys to understand the role of multi-scale heterogeneity on biodiversity, presented results to the Swazi National Trust Commission at an international conference
2014 - 2016	<b>Undergraduate Researcher in the Potts Lab:</b> Sorted photos of Sumatran wildlife, managed data with automated software, mapped species distributions using ArcGIS, conducted literature reviews and presentations, and visited researchers in the field in Sabah, Malaysia
2016 - 2017	<b>Undergraduate Researcher in the Brashares Lab:</b> Trained two teams in camera trap data management, conducted wildlife ecology research in Mendocino County and Gorongosa National Park
2014	<b>Biology Field Project:</b> found alarming levels of lead and arsenic in the Berkeley Student Organic Garden, leading to significant policy changes
2012	<b>Fox Chase Cancer Center:</b> biomolecular lab work to create and maintain transgenic lines of zebrafish

## Software Experience

Experienced user of R statistical software and ArcGIS

## Professional Affiliations

American Ornithological Society; Society for Conservation Biology (Stewardship Chair); Mentor for WiSE (Women in Science and Engineering) Mentorship Program

## Languages

English – fluent; Spanish – limited working proficiency; Mandarin – limited working proficiency