

Curriculum Vitae

Shane Landau Dewees

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150 Ave. Santa Margarita
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Education

University of California – Santa Barbara, Ca
Ph.D. in Ecology, Evolution, and Marine Biology – degree expected June 2025
Advisor – Dr. Carla D’Antonio

University of California – Santa Barbara, Ca
Bachelor of Science – June 2017
Environmental Studies

Progress Towards Degree

Completed 5/6 required coursework. Completed both written exams and expected to complete oral exam 10/2021. Set up first research chapter of dissertation.

Honors/Awards

Honorable Mention, NSF Graduate Research Fellowship Program	2020
Runner up, Best Student Presentation CalIPC Conference	2019
Environmental Studies Outstanding Academic Achievement Award	2017
Environmental Studies Outstanding Service Award	2017

Grants

Western Ag PRS Research Award ~\$1500 in supplies and services	2021
Schmidt Family Foundation Research Accelerator Award Fellowship \$8000	2020
UCSB Coastal Fund Major Funding Grant	2017
Environmental Studies Research Enhancement Award	2017
Faculty Research Assistance Program Grant	2017

Presentations

California Botanical Society Graduate Student Symposium	2017, 2019
UCSB Geo-Spatial Conference	2017
3 rd California Chaparral Symposium	2018
California Society for Ecological Restoration Symposium	2019
National Fish and Wildlife Foundation Fire Restoration Grantee Forum	2019
California Invasive Plant Council Symposium	2019
Guest Lecture Env. S. 119 Ecological Management of California Wildlands	2019

Mentorship

Independent Projects

Thomas Aronson (June 2018-June 2019): *Possible causes of inhibited germination rates in native woody species*
 Undergraduate Research Creative Activities Grant Recipient 2018
 Presented at Undergraduate Research Creative Activities Symposium 2019

Danny Pham (June 2019-present): *Effects of nitrogen fixation versus fertilization on Ceanothus oliganthus seedlings*
 Undergraduate Research Creative Activities Grant Recipient 2019

Lauren Harris (June 2019-present): *Testing seedbank analysis methods on artificial seedbanks*
 Undergraduate Research Creative Activities Grant Recipient 2019

Science Project Advisor, Youth Innovation Club September 2019-present
 Mentor middle school students (many of who will be first generation college students) on science fair projects

Supervised 72 undergraduate students in obtaining research experience to date. 2017-present

Research Experience

Laboratory Technician, University of California, Santa Barbara

Research advisor: Dr. Carla D'Antonio (October 2017-September 2019)

During my time as a laboratory technician, I personally designed and executed a remote sensing project using historic aerial imagery to determine drivers of vegetation change in southern California. Additionally, I personally oversaw all greenhouse work preparing plants for two separate restoration projects and was part of a team setting up and monitoring those restoration projects. I also helped graduate students in the lab with various research tasks and mentored undergraduate students involved in the lab.

Undergraduate Student Researcher, University of California, Santa Barbara

Research advisor: Dr. Carla D'Antonio (June 2016-September 2017)

As an undergraduate I helped a graduate student in the lab grow plants in the greenhouse for a restoration experiment and then outplant and monitor that experiment. I also took on an independent project using multiple vegetation maps and a decision tree analysis in ArcGIS and Rstudio to analyze drivers of degradation for chaparral shrub obligate seeders.

Publications

Nolan, M., S. Dewees, S. Ma. In press. *Identifying effective restoration approaches in California grasslands and sage scrub through a meta-analysis*. Restoration Ecology.

Roa, D., ... S. Dewees, et al. Accepted with minor revisions. *Implications of fine fuel reduction by cattle in California rangelands*. California Agriculture.

Dewees, S., C. DAntonio, N. Molinari. In Prep. *Determining potential drivers of vegetation change in a Mediterranean shrubland environment*.

Research in the Media

Front page Los Angeles Times, Sunday Edition. *More wildfires, drought and climate change bring devastating changes to California wildlands*.

<https://www.latimes.com/local/lanow/la-me-fire-los-padres-20190111-htmlstory.html>

