Evan E Batzer

Graduate Student Researcher
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Graduate Group in Ecology
University of California, Davis
Davis, CA 95616

EDUCATION

PhD, Ecology, (expected 2020) — University of California, Davis
Advisor: Valerie Eviner — *GPA:* 4.00

BSc *cum laude* (December 2012) — University of Michigan
Concentration: Ecology and Evolutionary Biology — *GPA:* 3.74

GRE Scores
Verbal: 170 (99%) *Quantitative:* 164 (84%) *Writing:* 4.5 (82%)

PROFESSIONAL EXPERIENCE

Graduate Student Researcher, 09/2014 - Present — University of California, Davis
Plant community ecology — *Davis, CA*

Graduate research in plant community ecology, soil ecology, and restoration of grassland ecosystems. Current projects include assessment of temporally and spatially scale-dependent patterns of plant biodiversity in California grasslands. Emphasis on statistical methodology and data analysis techniques.

Data Analyst, 06/2015 - 09/2015 — Ecological Society of America
ESA Centennial Survey — *Davis, CA*

Data analyst for the Ecological Society of America's Centennial Survey, an effort to gauge the important discoveries and pressing concerns in the last 100 years of ecological science. Evaluated survey responses, assisted in production of presentation materials, and worked with a team of researchers to produce multiple white papers.

Lead Research Technician, 01/2013 - 05/2014 — University of Michigan
Plant invasions in the Great Lakes — *Ann Arbor, MI*

Lead technician for a multi-year NSF funded research project exploring the impacts of *Typha* and *Phragmites* invasions on community diversity, hydrology, and biogeochemical cycling. Responsible for sample processing, data analysis, and coordination of field researchers.

Undergraduate Researcher, 09/2012 - 01/2013 — University of Michigan
Plant community ecology — *Ann Arbor, MI*

Undergraduate research on growth patterns of clonal plants, in addition to support with field sampling, laboratory processing, production of figures and statistical analyses, and assistance with ongiong graduate student research.

Research Technician, 04/2012 - 09/2012 — Archbold Biological Station
Plant population biology — *Venus, FL*

Research technician for a plant biology laboratory studying endemic plant demography and fire dynamics in the Florida scrub. Gained experience in field research techniques, data management, and production of visual materials.

TEACHING EXPERIENCE

Teaching Assistant, 4/2017 - 7/2017 — University of California, Davis
ENH 160: Restoration Ecology

Teaching assistant for restoration ecology course for upper level undergraduates. Assisted students with individual project development, scientific communication, and understanding of concepts used in environmental restoration. Completed student project compiled into a report presented to the Yolo County Resource Conservation District.

Teaching Assistant, 1/2017 - 3/2017 — University of California, Davis
BIT 171: Ethics of Biotechnology

Teaching assistant for scientific ethics course required for undergraduates studying biology. Gave lectures, presented frameworks to explore ethical issues in scientific research, and assisted students in effective written communication.

Teaching Assistant, 6/2014 - 9/2014 — University of Michigan Biological Station
ECL 390: General Ecology — *Pellston, MI*

Summer field ecology course teaching assistant for junior and senior undergraduates. Helped students understand basic ecological concepts, experimental design, and research methodology. Average student evaluation score 9.84/10.

PUBLICATIONS and TECHNICAL REPORTS

Michaels, J., **E. Batzer**, S. Harrison, and V. Eviner. Understanding the Drivers of Landscape Diversity in Grazed Ephemeral Wetlands. *In Prep.*

Goldberg, D., **E. Batzer**, K. Elgersma, J. Martina, and W. Currie. Allocation to clonal growth: approaches and questions. *In prep.*

Batzer, E., J. Martina, K. Elgersma, and D. Goldberg. 2017. Effects of nutrient addition on clonal allocation and ramet morphology within *Cyperaceae*. Plant Ecology 218(11), 1299-1311,

Batzer, E., G. Congdon, R. Hillabrand, and D. Labuz. 2011. Current and future status of the *Fraxinus nigra* swamp in the Bessey Creek Nature Preserve, Cheboygan County, MI. *Available at http://hdl.handle.net/2027.42/89429*

Batzer, E., M. Busch, N. Neuman, and V. Quach. 2011. Social hierarchies and shelter preference within *Orconectes virilis. Available at http://hdl.handle.net/2027.42/89434*

GRANTS and FELLOWSHIPS

2017	UC Davis Plant Sciences Madson Award ($5,000)
2017 - 2018	UC Davis Natural Reserves Grant ($500)
2016	UC Davis Plant Sciences Madson Award ($2,000)
2016	UC Davis Plant Sciences Travel Award ($1,000)
2016 - 2017	UC Davis Natural Reserves Grant ($1,700)
2016 - 2017	UC Davis Henry A. Jastro Research Fellowship ($2,100)
2015 - 2016	California Native Plant Society Hardman Research Award ($1,000)
2015 - 2016	UC Davis Natural Reserves Grant ($2,400)
2015 - 2019	UC Davis Plant Sciences Graduate Student Research Award ($185,803)
2014 - 2016	UC Davis Graduate Group in Ecology Fellowship ($58,172)

PRESENTATIONS

E. Batzer and V. Eviner. 2016. California Invasive Plant Council. Yosemite, CA.
Title: Spatial patterns of diversity in California annual grasslands.

E. Batzer. 2016. Ecological Society of America Annual Meeting. Fort Lauderdale, FL.
Title: Perennial grasses in annual-dominated communities: Tradeoffs between invasive species suppression and fecundity

Eviner, V., **E. Batzer**, E. Bennet, K. Garbach, L. Gerber, and D. Scholes. 2015. Ecological Society of America Annual Meeting. Baltimore, MD.
Title: Ecological Society of America Centennial Survey

Batzer, E., D. Goldberg, J. Martina, and K. Elgersma. 2014. Ecological Society of America Annual Meeting. Sacramento, CA.
Title: Clonal reproduction within *Cyperaceae*: Allocation, translocation, and response to nutrient availability

Batzer, E., M. Busch, N. Neuman, and V. Quach. 2011. University of Michigan Biological Station Research Symposium. Pellston, MI.
Title: Social hierarchies and shelter preference within *Orconectes virilis*

MENTORING

2015-Present	University of California, Davis Graduate Student Peer Mentorship Program *Peer mentor to incoming graduate students in the Ecology Graduate Program at the University of California, Davis. Attended training workshops on effective mentorship. Certified graduate student peer mentor through UC Davis Department of Graduate Studies.*
2013-2014	University of Michigian Undergraduate Research Opportunity Program *Assisted two undergraduate students in design and presentation of an independent research project.*
2013	University of Michigian Summer Research Opportunity Program *Assisted an undergraduate student in design and implementation of a summer research project.*

SERVICE

2014-Present	Student and Landowner Education and Watershed Stewardship *Center for Land-Based Learning, Winters, CA* Served as a volunteer mentor and guest lecturer for the SLEWS program, which pairs local high school biology students with scientists and land managers in collaborative environmental restoration projects. Guided groups of students through the procedures and scientific basis of environmental restoration. Gave guest lectures to classes of 30+ students on carbon and nitrogen cycling in terrestrial ecosystems, California natural history, and importance of soil conservation.
2016-2017	UC Davis Graduate Group in Ecology Admissions *University of California, Davis* Served as a graduate student admissions committee member for the Graduate Group in Ecology at the University of California, Davis. Reviewed and scored applications from prospective graduate students, attended workshops on implicit biases in
2015-Present	Kids into Discovering Science *Lower Lake Elementary, Lower Lake, CA* Gave lectures to 5th grade classes geared towards developing a basic understanding of the scientific process, exploring California natural history, and conducting research projects. Course designed to foster connection between local research institutions and underserved communities.

2015-2016	Team WILD *The Center for Biological Diversity* Distributed informational materials and organized presentations to promote public awareness of global biological diversity decline and endangered species conservation.

PROFESSIONAL MEMBERSHIPS

2014-Present	Ecological Society of America
2014-Present	California Native Plant Society
2015-Present	California Invasive Plant Council

SKILLS

Technical	Statistical analysis in R, Python, LaTeX text editing.
Laboratory	Soil nutrient extraction, plant tissue chemistry, greenhouse rearing
Field	Vegetation plot establishment/sampling, plant demography, soil sampling