

CURRICULUM VITAE

JULIE EDWARDS

ADDRESS

University of Arizona
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EDUCATION

UNIVERSITY OF ARIZONA
2024 (*anticipated*) Ph.D., Geography
 Primary Advisor: Dr. Kevin Anchukaitis

Tucson, AZ

2020 M.A., Geography
Thesis: *The enigmatic northwestern North America climate response to the 1783 Laki eruption*

UNIVERSITY OF CALIFORNIA, LOS ANGELES
2015 B.A., Geography/Environmental Studies
 Minor: GIS&T, and Art History
 Henry Samueli School of Engineering and Applied Science Dean's Honor List

Los Angeles, CA

RESEARCH INTERESTS

Paleoclimate, high-latitude ecosystem vulnerability to climate change, and large-scale climate dynamics.

POSITIONS

UNIVERSITY OF ARIZONA
2018 – Graduate Research Assistant
 School of Geography and Development
 Laboratory of Tree-Ring Research
 Advisor: Dr. Kevin Anchukaitis
 My current research addresses the effects of

Tucson, AZ

2018 – 2019 Graduate Research Assistant
Laboratory of Tree-Ring Research
Principal Investigator: Dr. Dave Meko
Measuring wood anatomical features to model Sierra Nevada snowpack.
Identifying flood rings in riparian trees from along the Ob River to improve streamflow reconstructions.

UNIVERSITY OF CALIFORNIA, LOS ANGELES
2017 – 2018 Research Assistant
 Department of Geography
 Principal Investigator: Dr. Kyle Cavanaugh
 Classified health of shallow coral reef ecosystems from underwater photography.

Los Angeles, CA

CALIFORNIA STATE UNIVERSITY, NORTHRIDGE Los Angeles,
2017 – 2018 Research Assistant
 Department of Geological Sciences
 Principal Investigator: Dr. Jennifer Cotton
 Spatially modeled isotopic composition of small mammal species to track landscape changes over time.

Los Angeles, CA

INTERNATIONAL MEDICAL CORPS

Los Angeles, CA

2016 – 2017 GIS Technician

Created maps related to emergency medical relief logistics and international program operations.

PUBLICATIONS *Peer-Reviewed Papers*

Meko D., I. Panyushkina, L. Agafonov, **J. Edwards**, Impact of high flows of an Arctic river on ring widths of floodplain trees, *The Holocene*, 2020

TEACHING UNIVERSITY OF ARIZONA Tucson, AZ
School of Geography and Development
Teaching Assistant
Guest Lecturer
GEOG 170A1 *Introduction to Physical Geography* (Fall 2018, Spring 2019, Fall 2019, Spring 2020)

POSTERS **Edwards J.**, K. Anchukaitis, L. Andreu-Hayles, R. Oelkers, R. D'Arrigo, G. von Arx, B. Zambri, The impact of the 1783 Laki eruption on North American climate using quantitative wood anatomy of Alaskan white spruce, presented at the American Geophysical Union fall meeting, December 9-13, 2019, San Francisco, CA.
Meko D., K. Morino, E. Shamir, **J. Edwards**, R. Touchan, R. Campbell, Snowpack Signal in Cell Anatomy of Sierra Nevada Tree Rings, presented at the American Geophysical Union fall meeting December 9-13, 2019, San Francisco, CA.
Meko D., L. Agafonov, I. Panyushkina, **J. Edwards**, Ob River Flood History From Tree Rings, presented at the American Geophysical Union fall meeting, December 10-16, 2018, Washington D.C.

HONORS Alsie French & Edmund Schulman Memorial Scholarship, 2020
University of Arizona Graduate & Professional Student Council Travel Grant, 2019 & 2020
University of Arizona Women in STEM Student Council Travel Grant, 2019
University of Arizona College of Science, Laboratory of Tree-Ring Research Scholarship Award, 2019

SERVICE **EathWeek 2020 Student Representative for the Laboratory of Tree-Ring Research**
Fall 2019 –
GALS (Girls on outdoor Adventures for Leadership and Science) Mentor
Fall 2019 –
WISE (Women in Science and Engineering) Panel Organizer
Fall 2019 –
SAGA (Southern Arizona Geographers Association) Committee Member
Fall 2018 –
National Geographic GeoChallenge Appraiser
2019
La Brea Tar Pits & Museum Project 23 Excavator
2017 – 2018

PRESS "Das Klima-Gedächtnis", Natur, December 2019 (in German)
"Alaska white spruce tell a tale of a cold summer", Fairbanks Daily News-Miner, January 19, 2020

PARTICIPATION & TRAINING

Participant, NCAR CESM Tutorial, Boulder, CO, August 2019

Participant, 6th International Training School in Quantitative Wood Anatomy, San Vito di Cadore, Italy, June 2019

TECHNICAL SKILLS

MATLAB, R, Python, Processing (Java based)
ArcGIS, QGIS, Leaflet, ENVI
Adobe Creative Suite, Agisoft Photoscan, ROXAS

PROFESSIONAL AFFILIATIONS

Member of *American Geophysical Union* and *Tree Ring Society* and AAAS and *American Association of Geographers*