

CURRICULUM VITAE

JULIE EDWARDS

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School of Geography and Development
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EDUCATION	UNIVERSITY OF ARIZONA 2020 (anticipated) M.A., Geography Primary Advisor: Kevin Anchukaitis	Tucson, AZ
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UNIVERSITY OF CALIFORNIA, LOS ANGELES Los Angeles, CA
2015 B.A., Geography/Environmental Studies
 Henry Samueli School of Engineering and Applied Science Dean's Honor List

POSITIONS UNIVERSITY OF ARIZONA Tucson, AZ

2018 – Master’s Student, Graduate Research Assistant
School of Geography and Development
Laboratory of Tree-Ring Research
Advisor: Kevin Anchukaitis
My current research addresses the effect of high latitude volcanic eruptions on climate and tree growth.

2018 – 2019 Graduate Research Assistant
Laboratory of Tree-Ring Research
Principal Investigator: 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: Kyle Cavanaugh
 Classified health of shallow coral reef ecosystems from underwater photography.

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

INTERNATIONAL MEDICAL CORPS	Los Angeles, CA
2016 – 2017 GIS Technician	
Created maps related to emergency medical relief logistics and international program operations.	

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)

Teaching Assistant

GEOG 303 *Field Study in Environmental Geography* (Spring 2020)

PUBLICATIONS *In Press*

Meko D., I. Panyushkina, L. Agafonov, **J. Edwards**, Impact of high flows of an Arctic river on ring widths of floodplain trees, submitted to *The Holocene*, 2019

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

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

University of Arizona Graduate & Professional Student Council Travel Grant, 2019 & 2020

SERVICE

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

TECHNICAL SKILLS

MATLAB, R, Python, Processing (Java based)

ArcGIS, QGIS, Leaflet, ENVI

Adobe Creative Suite, Agisoft Photoscan, ROXAS