

CURRICULUM VITAE

JULIE EDWARDS

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EDUCATION	UNIVERSITY OF ARIZONA 2024 (<i>anticipated</i>) Ph.D., Geography Primary Advisor: Dr. Kevin Anchukaitis	Tucson, AZ
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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

RESEARCH INTERESTS

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

POSITIONS	UNIVERSITY OF ARIZONA	Tucson, AZ
	2018 – Graduate Research Assistant	
	School of Geography and Development	
	Laboratory of Tree-Ring Research	
	Advisor: Dr. 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: 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.

CALIFORNIA STATE UNIVERSITY, NORTHRIDGE Los Angeles, CA
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.

PUBLICATIONS	<i>Peer-Reviewed Papers</i>	
	Meko D., I. Panyushkina, L. Agafonov, J. Edwards , Impact of high flows of an Arctic river on ring widths of floodplain trees, <i>The Holocene</i> , 2020	
	<i>Submitted or in Revision</i>	
	Edwards J. , K.J. Anchukaitis, B. Zambri, L. Andreu-Hayles, R. Oelkers, R. D'Arrigo, G. von Arx, The enigmatic northwestern North America climate response to the 1783 Laki eruption, submitted to <i>Journal of Geophysical Research: Atmospheres</i> , 2020	
TEACHING	UNIVERSITY OF ARIZONA	Tucson, AZ
	Laboratory of Tree-Ring Research	
	Teaching Assistant	
	ANTH 204 <i>Cultures, Catastrophe and Climate</i> (Fall 2020)	
	School of Geography and Development	
	Teaching Assistant	
	Guest Lecturer	
	GEOG 170A1 <i>Introduction to Physical Geography</i> (Fall 2018, Spring 2019, Fall 2019, Spring 2020)	
POSTERS	<p>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.</p> <p>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.</p> <p>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.</p>	
HONORS	<p>E-an Zen Fund Geoscience Outreach Grant on behalf of the Southern Arizona chapter of AWG, 2020</p> <p>Alsie French & Edmund Schulman Memorial Scholarship, 2020</p> <p>University of Arizona Graduate & Professional Student Council Travel Grant, 2019 & 2020</p> <p>University of Arizona Women in STEM Student Council Travel Grant, 2019</p> <p>University of Arizona College of Science, Laboratory of Tree-Ring Research Scholarship Award, 2019</p> <p>University of Arizona Graduate College Fellowship, 2018 & 2019</p>	
SERVICE	<p>Southern Arizona chapter of AWG (Association for Women Geoscientists) fundraising chair</p> <p>EathWeek 2020 organizer for the Laboratory of Tree-Ring Research</p> <p>GALS (Girls on outdoor Adventures for Leadership and Science) mentor</p> <p>WISE (Women in Science and Engineering) panel organizer</p> <p>SAGA (Southern Arizona Geographers Association) committee member</p> <p>La Brea Tar Pits & Museum Project 23 excavator (2017–2018)</p>	
PRESS	<p>"Das Klima-Gedächtnis", <i>Natur</i>, December 2019 (in German)</p> <p>"Alaska white spruce tell a tale of a cold summer", <i>Fairbanks Daily News-Miner</i>, January 19, 2020</p>	

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, JavaScript
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* and *Geological Society of America* and *Association for Women Geoscientists*