

## CURRICULUM VITAE

JULIE EDWARDS

ADDRESS

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School of Geography and Development  
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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

PUBLICATIONS	<i>Peer-Reviewed Papers</i>	
	Meko D., I. Panyushkina, L. Agafonov, <b>J. Edwards</b> , 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>	
	<b>Edwards J.</b> , 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	
	<b>Teaching Assistant</b>	
	ANTH 204 <i>Cultures, Catastrophe and Climate</i> (Fall 2020)	
	School of Geography and Development	
	<b>Teaching Assistant</b>	
	<b>Guest Lecturer</b>	
	GEOG 170A1 <i>Introduction to Physical Geography</i> (Fall 2018, Spring 2019, Fall 2019, Spring 2020)	
POSTERS	<p><b>Edwards J.</b>, 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, <b>J. Edwards</b>, 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, <b>J. Edwards</b>, 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>Alsie French &amp; Edmund Schulman Memorial Scholarship, 2020</p> <p>University of Arizona Graduate &amp; Professional Student Council Travel Grant, 2019 &amp; 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>	
SERVICE	<p>Girls Who Code Facilitator</p> <p>Southern Arizona chapter of 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>National Geographic GeoChallenge Appraiser</p> <p>La Brea Tar Pits &amp; 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*