## CURRICULUM VITAE Julie Edwards

Contact	University of Arizona School of Geography, Development, and Environment email: julieedwards@arizona.edu internet: https://julieedwardspaleo.github.io		
Education	UNIVERSITY OF ARIZONA T 2024 (anticipated) Ph.D., Geography Primary Advisor: Dr. Kevin Anchukaitis Dissertation: High-resolution temperature reconstruction from the North American treeline using quantitative wood anatomy	ucson, AZ	
	<b>2020</b> M.A., Geography Thesis: <i>The enigmatic northwestern North America climate response to the 1783 Laki eruption</i>		
	UNIVERSITY OF CALIFORNIA, LOS ANGELESLos Ar2015 B.A., Geography/Environmental StudiesMinor: GIS&T, and Art HistoryHenry Samueli School of Engineering and Applied Science Dean's Honor List	ngeles, CA	
RESEARCH INTERESTS Paleoclimate, high-latitude climate change, climate modeling, and climate extremes			
PUBLICATIONS	<b>Edwards, J.</b> , Anchukaitis, K. J., Gunnarson, B. E., Pearson, C., Seftigen, K., von Arx, G., & Linderholm, H. W. The origin of tree-ring reconstructed summer cooling in northern Europe during the 18th century eruption of Laki. <i>Paleoceanography and Paleoclimatology</i> , 37, e2021PA004386. doi: 10.1029/2021PA004386, 2022.		
	Edwards, J., Anchukaitis, K. J., Zambri, B., Andreu-Hayles, L., Oelkers, R., D'Arrigo, R., & vo Intra-annual climate anomalies in northwestern North America following the 1783-1784 CE Lak Journal of Geophysical Research: Atmospheres, 125, 2020JD033544. doi: 10.1029/2020JD0335	i eruption.	
	Meko D., Panyushkina, I., Agafonov, L., <b>Edwards, J.</b> , Impact of high flows of an Arctic river on r of floodplain trees, <i>The Holocene</i> , 2020;30(6):789-798. doi:10.1177/0959683620902217, 2020.	ing widths	
Research	UNIVERSITY OF ARIZONA T <b>2018 –</b> Graduate Research Assistant School of Geography and Development, Laboratory of Tree-Ring Research Advisor: Dr. Kevin Anchukaitis High-resolution climate reconstructions of the last millennium and the effect of high latitude volcat on climate and tree growth.	ucson, AZ nic eruptions	
	<b>2021</b> – Graduate Research Assistant School of Geography and Development, Laboratory of Tree-Ring Research Principal Investigator: Dr. Connie Woodhouse Climate signals in the quantitative wood anatomy of Rocky Mountain bristlecone pine		
	<b>2018 – 2019</b> Graduate Research Assistant Laboratory of Tree-Ring Research Principal Investigator: Dr. Dave Meko Quantitative and qualitative wood anatomical data as hydroclimate proxies in California and Rus	sia	

	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 y.
	CALIFORNIA STATE UNIVERSITY, NORTHRIDGE 2017 – 2018 Research Assistant Department of Geological Sciences Principal Investigator: Dr. Jennifer Cotton Spatially modeled isotopic composition of small mammal species to track lands	Los Angeles, CA
PROFESSIONAI	<ul> <li>EXPERIENCE</li> <li>INTERNATIONAL MEDICAL CORPS</li> <li>2016 – 2017 GIS Technician</li> <li>Created maps related to emergency medical relief logistics and international pro-</li> </ul>	Los Angeles, CA
Teaching	UNIVERSITY OF ARIZONA 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, Guest Lecturer</b>	Tucson, AZ
Mentoring	<ul> <li>GEOG 170A1 Introduction to Physical Geography (Fall 2018, Spring 2019, Fall 2019, Spring 2020)</li> <li>Francisca Molina, B.A., Environmental Studies and Law (2023–)</li> <li>Ana Isabel González Mendez, M.A., Geography, University of Arizona (2022–)</li> <li>Ellie Neifeld, M.S., Geosciences, University of Arizona (2022–2023)</li> <li>Zanubia Sethuraju, B.A. Environmental Studies, University of Arizona (2021-2022)</li> </ul>	
Talks	<ul> <li>Edwards, J., Tintor, W., Nolin, A.F., Anchukaitis, K. J., Woodhouse, C., &amp; v in wood anatomy of Rocky Mountain bristlecone pine: unraveling temper climate influences. Birmensdorfer Tree-Ring Lecture, 2023</li> <li>Edwards, J., Anchukaitis, K. J., McAfee, S., Csank, A., Andreu-Hayles, L., G. Records of past temperatures in wood anatomy of high-latitude trees. Climatology and Ecology meeting, 2023.</li> <li>Edwards, J., Tintor, W., Anchukaitis, K. J., Woodhouse, C., &amp; von Arx, G. T in wood anatomical measurements of Rocky Mountain bristlecone pine Research Tree Ring Day, 2023</li> <li>Edwards, J., Anchukaitis, K. J., McAfee, S., Csank, A., Andreu-Hayles, L., G. Records of past temperatures in wood anatomy of high-latitude trees Geographers meeting, 2023.</li> <li>Edwards, J., Anchukaitis, K. J., Gunnarson, B. E., Pearson, C., Seftigen, K., w H. W. The origin of tree-ring reconstructed summer cooling in northern Eur eruption of Laki. Laboratory of Tree-Ring Research Tree Ring Day, 2022.</li> <li>Edwards, J., Tintor, W., Anchukaitis, K. J., Woodhouse, C., &amp; von Arx, G.</li> </ul>	rature stability and multiple , D'Arrigo, R., & von Arx, Tree Rings in Archaeology, Temperature signal stability . Laboratory of Tree-Ring , D'Arrigo, R., & von Arx, . American Association of von Arx, G., & Linderholm, rope during the 18th century Multiple climate signals in
	quantitative wood anatomical measurements of Rocky Mountain bristlecon of Geographers meeting, 2022.	

- **Edwards, J.**, Anchukaitis, K. J., Gunnarson, B. E., Pearson, C., Seftigen, K., von Arx, G., & Linderholm, H. W. The origin of tree-ring reconstructed summer cooling in northern Europe during the 18th century eruption of Laki. American Geophysical Union meeting, 2021. *\*\* Outstanding Student Presentation Award*
- Edwards, J., Anderson, T., Rochner, M. Dendrogeomorphology of an Avalanche Chute, Rock Creek Valley, Montana, North American Dendroecological Fieldweek, 2021
- Edwards, J., Quantitative wood anatomy: using tree-ring cell measurements to understand climate response to volcanic eruptions, Dendrochronology Intensive Summer Course, 2021

Edwards, J., Anchukaitis, K. J., Andreu-Hayles, L., Oelkers, R., D'Arrigo, R., von Arx, G., Zambri, B., Linderholm, H. W., & Gunnarson, B. E. The enigmatic climate response to the 1783-1784 CE Laki eruption, American Association of Geographers meeting, 2021

- POSTERS Edwards, J., Anderson, T., Rochner, M. Avalanche and landslide event history of an avalanche chute, Rock Creek Valley, Montana using Dendrogeomorphology. University of Arizona EarthWeek, 2022
  - **Edwards, J.**, Anderson, T., Rochner, M. Avalanche and landslide event history of an avalanche chute, Rock Creek Valley, Montana using Dendrogeomorphology. Geological Society of America Cordilleran and Rocky Mountain Joint Section Meeting, 2022
  - Edwards, J., Anchukaitis, K. J., Andreu-Hayles, L., Oelkers, R., D'Arrigo, R., von Arx, G., Zambri, B. The impact of the 1783 Laki eruption on North American climate using quantitative wood anatomy of Alaskan white spruce, Women in Science and Engineering Excellence Banquet, 2020, Tucson, AZ.
  - Edwards, J., Anchukaitis, K. J., Andreu-Hayles, L., Oelkers, R., D'Arrigo, R., von Arx, G., Zambri, B. The impact of the 1783 Laki eruption on North American climate using quantitative wood anatomy of Alaskan white spruce, American Geophysical Union fall meeting, 2019, San Francisco, CA.

## AWARDS & FELLOWSHIPS

GRANTS

P.E.O. Scholar Award, 2023 Raphael and Jolene Gruener Research Travel Award, 2023 Andrew Ellicott Douglass Memorial Scholarship, 2023 ThinkSwiss Research Scholarship, 2023 University of Arizona Galileo Circle Scholar, 2022 AAG Biogeography, Climate, and Paleoenvironmental Change Specialty Groups Student Awards, 2022 North American Dendroecological Fieldweek Graduate Fellow, 2021 Association for Tree-Ring Research Masters Thesis Award, 2021 Carson Scholars Program Fellowship, 2021 Laboratory of Tree-Ring Research Thomas P. Harlan Award, 2021 Alsie French & Edmund Schulman Memorial Scholarship, 2020 University of Arizona College of Science Scholarship Award, 2019, 2023 SBSRI Dissertation Research Grant, 2023 Geological Society of America Graduate Student Research Grant, 2021 University of Arizona CSW Mini Grant (on behalf of the Southern Arizona chapter of AWG), 2021 American Association of Geographers Climate Specialty Group Student Grant, 2020 E-an Zen Fund Geoscience Outreach Grant (on behalf of the Southern Arizona chapter of AWG), 2020 University of Arizona Graduate & Professional Student Council Travel Grant, 2019 2020, & 2021 University of Arizona Women in STEM Student Council Travel Grant, 2019

SERVICE	Session co-organizer for American Association of Geographers 2022 & 2023 meeting		
	Reviewer for Climate of the Past, and Paleoceanography and Paleoclimatology, and You Are Here: The Journal of Creative Geography		
	Graduate Student Representative for the Laboratory of Tree-Ring Research		
	Southern Arizona chapter of AWG (Association for Women Geoscientists) fundraising chair		
OUTREACH	Carson Alumni Liverman Scholars Mentor		
	Laboratory of Tree-Ring Research tour assistant		
	GALS (Girls on outdoor Adventures for Leadership and Science) mentor		
	WISE (Women in Science and Engineering) panel organizer		
Press	"Study of wood cells helps bring past climates to life" PNAS Front Matter, July 14, 2022		
	"How Hot Was the Summer of 1783 Really? Trees Tell Tales" Eos, April 20, 2022		
	"Iceland and Alaska entangled: Ph.D. student combats uncertainties regarding the 1783 Laki volcanic eruption" Daily Wildcat, February 28, 2021		
	"Alaska white spruce tell a tale of a cold summer" Fairbanks Daily News-Miner, January 19, 2020		
	"Das Klima-Gedächtnis" Natur, December 2019 (in German)		
TRAINING	University of California, Irvine Keck Carbon Cycle Accelerator Mass Spectrometer Facility, March 2023		
	Paleoclimate Data Assimilation Workshop, October 2022		
	North American Dendroecological Fieldweek, July 2021		
	LinkedEarth PaleoHack Workshop, February 2021		
	Network on Quantitative Wood Anatomy Virtual Workshop, November 2020		
	NCAR Community Earth System Model Tutorial, Boulder, CO, August 2019		
	6th International Training School in Quantitative Wood Anatomy, San Vito di Cadore, Italy, June 2019		

## TECHNICAL SKILLS

MATLAB, R, Python, JavaScript, FORTRAN ArcGIS, QGIS, Leaflet, ENVI Adobe Creative Suite, Agisoft Photoscan, ROXAS

## **PROFESSIONAL AFFILIATIONS**

**Member** of American Geophysical Union and American Geographical Society and Tree Ring Society and AAAS and American Association of Geographers and Geological Society of America and Association for Women Geoscientists