CURRICULUM VITAE

Eric S. Levenson

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EDUCATION

Expected 2025	**PhD in Geography, University of Oregon**
2021	**MS in Geography, University of Oregon**
2015	**BA in Environmental Science and Anthropology, Bowdoin College**

HONORS AND AWARDS

2023-2026	**NASA Future Investigator in Earth and Space Science and Technology (FINESST)** – Full funding to pursue a PhD focused on improving our capacity to observe changes to surface water from spaceborne instruments.
2024	**GSA Graduate Student Research Grant** – Recognition and funding in support of a field campaign to Alaska validating satellite observations.
2023	**Rippey Award, University of Oregon Department of Geography** – Support for computing costs associated with PhD work.
2021	**Rippey Award, University of Oregon Department of Geography** – Support for fieldwork on the Sandy River.
2015	**Riley Research Award, Bowdoin College of Anthropology** – Funded research on Maine's boat building industry and its adaptations to environmental change.
2015	**Sarah and James Bowdoin Scholar, Bowdoin College**

Total Funding Awarded: $156,094.00

PROFESSIONAL EXPERIENCE

2023-present	NASA Graduate Student Fellow, University of Oregon, *Eugene, OR*
2021-2023	Graduate Research Assistant, University of Oregon, *Eugene, OR*
2023-2024	Instructor, Rios to Rivers Paddle Tribal Waters Program, *Klamath River Basin*
2019-2021	Graduate Teaching Assistant, University of Oregon, *Eugene, OR*
2016-2019	Math and Science Teacher, The Sage School, *Hailey, ID*
2019	Whitewater Kayaking Coach, Jackson Hole Youth Kayak Club
2015-2016	Mathematics Teaching Fellow, Maine Coast Semester, *Wiscasset, ME*
2013-2016	Trip Leader, Overland Summers, *Alaska, Switzerland, Colorado, New England*

2015 Admissions Interviewer, Bowdoin College, *Brunswick, ME*

PUBLICATIONS

Submitted and in prep:

Levenson. E.S., S.W. Cooley, A. Mullen, E.E. Webb, J.D. Watts. (submitted) Glacial history modifies permafrost controls on the distribution of lakes and ponds. *Nature Geoscience*

Levenson. E.S., S.W. Cooley. (in prep). The timing and magnitude of pan-Arctic seasonal lake variability.

Published:

Mullen. A., J. D. Watts, B. M. Rogers M. L. Carroll, C.D. Elder, J. Noomah, Z. Williams, A. Bredder, E. Rickenbaugh, J. A. Caraballo-Vega, **E.S Levenson**, S.W. Cooley, S. Potter, Y. Yang, G. Fiske, C.E. Miller, S.M. Natali , T.A Douglas, E.D Kyzivat. (2023). Using High-Resolution Satellite Imagery and Deep Learning to Track Dynamic Seasonality in Small Water Bodies. *Geophysical Research Letter*, 50(7).

Levenson, E.S., and Fonstad M.A. 2022, Characterizing coarse sediment grain size variability along the upper Sandy River, Oregon, via UAV remote sensing, *Geomorphology*, https://doi.org/10.1016/j.geomorph.2022.108447

Chafe, O. E., Broz, A. P., **Levenson, E. S.,** Farinacci, M. D., Anderson, R. O., & Silva, L. C. (2024). The spatiotemporal domains of natural climate solutions research and strategies for implementation in the Pacific Northwest, USA. *Frontiers in Climate*, *6*, 1273632.

PRESENTATIONS

Levenson, E.S., Cooley, S.W., Mullen, A., Van Dusen, I., Analyzing local to regional scale patterns in surface water variability and their interaction with permafrost using a new high resolution Alaska lake database, *AGU Fall meeting,* Poster Presentation. 2023.

Pletcher, A., S.W. Cooley, **E.S. Levenson**, Remote sensing of ice dynamics in the Yukon-Kuskoswim River Delta, AK. *AGU Fall meeting,* Poster Presentation. 2023.

A. Simpson, L. Karlstrom, S.W. Cooley, **E.S. Levenson.** Ephemeral lakes as a window into the enigmatic high cascades aquifer: Results from modeling, remote sensing, and field observations. *AGU Fall meeting,* Poster Presentation. 2023.

Levenson, E.S., Cooley, S.W., Mullen, A., Lake distribution and dynamics in the Alaskan Arctic from 2016-2021, *AGU Fall meeting,* Poster Presentation. 2022.

Cooley, S.W., **E.S. Levenson,** Leveraging novel satellite technologies to better understand permafrost-surface water feedbacks. Invited Oral Presentation. 2022.

Van Dusen, I., Cooley, S.W., **E.S. Levenson,** Assessing the Accuracy of Planet and Sentinel-2 Derived Water Maps through in situ GNSS Validation. Oral Presentation. 2022.

Levenson, E.S. Remotely sensed grain-size distributions at high resolutions and across large extents reveals that bar-scale position modulates grain-size response to channel width within the upper Sandy River, Oregon. *AGU Fall meeting.* Oral Presentation. 2021.

Levenson, E.S. Hyperscale sediment grain-size mapping and sorting in relation to channel morphology. *American Association of Geographers*. Poster Presentation. 2021.

Levenson, E.S. Methodological approaches to fluvial grain-size remote sensing. *Bretz Club Mini-Conference.* 2021.

SERVICE AND LEADERSHIP

2022-2023	Graduate Representative to the UO Geography Diversity Committee
2022-2024	President, UO Chapter of the American Society for Photogrammetry and Remote Sensing