

# Stanford

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## Aaron Steelquist

Ph.D. Student in Geological and Environmental Sciences

### Research & Scholarship

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#### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Exploring how systems of erosion and incision on the Colorado Plateau on the 100 ka to 1 Ma time scale. I utilize cosmogenic radionuclide dating, UAV surveys, and conceptual models to define processes, rates, and timings of erosion in arid landscapes.

### Publications

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#### PUBLICATIONS

- **Earth's topographic relief potentially limited by an upper bound on channel steepness** *NATURE GEOSCIENCE*  
Hilley, G. E., Porder, S., Aron, F., Baden, C. W., Johnstone, S. A., Liu, F., Sare, R., Steelquist, A., Young, H. H.  
2019; 12 (10): 828+