

# Hari Mix

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## EDUCATION

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- Ph.D.** Environmental Earth System Science, **2013 (expected)**  
*Stanford University, Stanford, CA*
- B.S.** Geological and Environmental Sciences, **2008**  
*Stanford University, Stanford, CA*

## RESEARCH INTERESTS

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*Paleoclimate of the western United States:* reconstructing the oxygen and hydrogen isotopic record from the middle Miocene to the Recent in the western US in an effort to better understand modern climate change

*Biosphere-climate interactions:* understanding the role of evapotranspiration and plant evolution in the climate system

## PROFESSIONAL EXPERIENCE

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**The Climate Conservancy, Palo Alto, CA** **2008**

*Intern*

- Conducted research on greenhouse gas emissions associated with the manufacture, distribution, use and disposal of consumer products
- Helped to develop a life cycle assessment model for greenhouse gas emissions associated with the purchase of commodities used in the manufacture of foods and consumer goods

**Stable Isotope Biogeochemistry Laboratory, Stanford, CA** **2007**

*Research Assistant*

- Prepared samples and operated a DeltaPlus<sup>XL</sup> mass spectrometer with Gasbench II and TC/EA interfaces for determination of stable isotopic composition of oxygen, carbon and hydrogen in minerals and biomass
- Prepared samples and operated a SHRIMP-RG for U-Pb dating of zircon

**Froehling and Robertson, Crozet, VA** **2004-2005**

*Technician*

- Tested and monitored emplacement of rebar, concrete and soils on construction sites

- Performed laboratory tests for compressive strength on concrete and for moisture-density relationships and Atterberg limits on soils
- Monitored crack propagation in concrete in at-risk structures and tracked soil shifts beneath building foundations

#### PUBLICATIONS

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*Davis, S.J., Mix, H.T., Wiegand, B.A., Carroll, A.R. and Chamberlain, C.P. (in prep)*  
Synorogenic evolution of large-scale drainage patterns: Isotope paleohydrology of sequential Laramide basins. [For submission to] American Journal of Science

#### TEACHING EXPERIENCE

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GES 1 (Autumn 2008) **Dynamic Earth: Fundamentals of Earth Science**  
Teaching Assistant

#### GRANTS

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Summer 2005: Stanford VPUE Research Fellowship  
*Geologic mapping of the Warner Range and Surprise Valley, CA*

Summer 2006: Stanford VPUE Research Fellowship  
*Implications of middle Miocene resurgent doming associated with silicic volcanism in NW Nevada and SE Oregon*

#### ACADEMIC REFERENCES

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**C. Page Chamberlain, Dissertation Advisor, Stanford University**  
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Stanford University  
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#### PROFESSIONAL REFERENCES

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260 Panama Street  
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**John L. Pappas, P.E. at Froehling and Robertson**

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