



# Rich A. Pauloo

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## EDUCATION

*University of California, Davis*, Ph.D. candidate Physical Hydrology expected 2020  
*University of California, Berkeley*, B.S. Biology & minor in Conflict Resolution 2011

## EMPLOYMENT

*University of California, Davis:*

Graduate Student Researcher	2015–present
<a href="#">NSF IGERT</a> Fellow in <a href="#">Climate Change, Water, and Society</a>	2015–2017
<a href="#">U.S./China Clean Energy Research Center</a> Researcher	2015–present
<a href="#">Data Science Initiative</a> Affiliate	2017–present
<a href="#">UC Water</a> Graduate Researcher	2017–present
Graduate Student Assembly Representative	2016–present

*National Geographic Student Expeditions:*

Expedition Leader (Thailand)	2016
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*NatureBridge, Yosemite National Park & Golden Gate National Recreation Area:*

Environmental Science Educator	2013–2014
Assistant Principal	2014–2015

*San Mateo County Office of Education:*

Environmental Science Educator	2012–2013
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*University of California, Davis:*

Biological Science Technician	2012
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## PUBLICATIONS

### *Journal Articles*

Pauloo, R., G. Zhilin, G.E. Fogg 2017. "Groundwater Salinization Resulting from Open-to-Closed Basin Conversion in an Agricultural Basin." *Advances in Water Resources* **not submitted**

## PRESENTATIONS

**2017. Pauloo, G.E. Fogg, R., Z. Guo, C.V. Henri** "Basin Scale Groundwater Quality Management Modeling: Methods to Upscale the Advection Dispersion Equation." American Geophysical Union. Final Paper Number H51G-1360. New Orleans, LA. 11–15 Dec.

**2017. Pauloo, R., G.E. Fogg, E. Goharian, J.D. Herman** "How to Maximize Total Water Storage in California." UC Water Annual Retreat. Davis, CA. 21–22 Sept.

**2016. Pauloo, R., G.E. Fogg, Z. Guo** "Water Resource Vulnerability to Groundwater Salinization in Closed Basin Aquifers." American Geophysical Union. Final Paper Number H33F-1610. San Francisco, CA. 12–16 Dec.

**2016. Pauloo, R., G.E. Fogg, Z. Guo** "Investigating Groundwater Sustainability and Water Quality Degredation in California's Tulare Basin using a Simple Mixing Model." Groundwater Resources Association Annual Meeting. Concord, CA. 28–29 Sept.

**2016. Pauloo, R., G.E. Fogg, Z. Guo** "Groundwater Salinization due to Hydraulic Closure in Tulare Basin over long time scales." Toward Sustainable Groundwater in Agriculture. Burlingame, CA. 28–30 June.

**2015. Pauloo, R., P. Marielle** "The Past Present and Future: Long-term climate trends and water management history in California." Water Scarcity in the West: Past Present and Future. Davis, CA. 12–13 April.

## ORGANIZATION

**Session Co-Chair, American Geophysical Union, Dec. 2016.** [Integration of Climate, Hydrology, Social Science, and Water Management: Connecting Hydroclimate Models with Stakeholder Need](#)

**Co-Organizer, April 2016.** [Weathering Change: Impact of Climate Change and SGMA on CA Water](#)

## AWARDS

**2016** *NSF-GRFP Honorable Mention*, National Science Foundation

**2015** *IGERT in Climate Change, Water, and Society*, National Science Foundation

## PROFESSIONAL AFFILIATIONS & TRAINING

- Eawag Summer School in Mathematical Modeling of Environmental Systems. Dubendorf, Switzerland. June, 2017.
- American Geophysical Union
- C2VSim training, San Luis Obispo, CA. April, 2016.
- Drought Tour, California Water Education Foundation, September, 2015.
- Groundwater Tour, California Water Education Foundation, September, 2015.
- Wilderness First Responder (NOLS).

## **LANGUAGES**

- Spanish (conversational)
- Portuguese (elementary)

## **REFERENCES**

Available upon request