

 **Kai Orans**

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ENERGY AND ENVIRONMENTAL ECONOMICS, INC.
Head of People Development

San Francisco, CA

Mr. Orans joined E3 in November 2017 after completing a postgraduate course in Vedanta philosophy in Pune, India. He also holds a B.A in Mathematics from Pomona College. Mr. Orans brings an interest in business development and management to the Financial team at E3.

STEAM: Foundation for a College Education
Summer School Teaching and Mentoring Position

Palo Alto, CA
Summer, 2014

- Built a curriculum and led a theatre class for 20 students as part of the STEAM summer program.
- Mentored a group of 4-5 boys.

East Tennessee State University Math REU
Research Intern

Johnson City, TN
Summer, 2013

- Researched problems in combinatorics and graphs.
- Presented results at the 2014 Joint Math Meetings in Baltimore.
- Co-authored a paper on a result for Universal and Overlap Cycles.

350.org
Intern

Oakland, CA
June 2012 – May 2014

- Updated the “Science” section of 350.org’s webpage to reflect the current literature.
- Co-founded the 5 Claremont Colleges Divestment movement from fossil fuel companies. The team helped convince Pitzer College’s Board of Trustees to divest its endowment from 99% of fossil fuel holdings in 2014.

Lawrence Berkeley National Laboratory
Research Intern

Berkeley, CA
Summers 2008 - 2011

- Collected root samples from an old growth Coastal Redwood forest at Prairie Creek State Park and processed and analyzed them in the lab.
- Presented preliminary results at an LBNL poster session.
- Co-authored a paper on the results of this study.

Mentoring / Leadership

- Served as a TA for Calculus I at Pomona College. Worked with several high school students in Claremont in math, science, and college prep. Elected to serve as the student representative to the Pomona College Board of Trustees (2013-2014).

Publications

“Contrasting Belowground Carbon Budgets for Old-growth Coast Redwood Forest and Adjacent Prairie” (*Submitted to Ecosystems, May 2014*)

“Universal and Overlap Cycles for Posets, Words, and Juggling Patterns” (*Graphs and Combinatorics, May 2016*)

Education

Pomona College
B.A. in Mathematics

Claremont, CA
May 2014

Vedanta Academy
*Diploma in Vedanta Philosophy for
completing the three-year residential program*

Pune, IN
August 2017

Citizenship

United States