

Policy Analyst, Domestic Policy Council, Energy and Climate Change

April 2010-June 2012

- Collaborated with Executive Office of the President components and Federal Agencies to coordinate efforts on energy policy and communications, including outreach to constituency groups to build support for the President's agenda.

Intern, Office of Energy and Climate Change Policy

September 2010-December 2010

- Supported staff of a small energy and climate policy team headed by Special Assistant to the President Carol Browner.
- Analyzed energy and climate change policy issues, and prepared issue summaries for senior-level staff.
- Prepared digests on policy issues for White House staff and performed administrative duties related to stakeholder relations.

LIBRII, Washington, DC / Accra, Ghana

Chief Engineering Officer

December 2010-October 2016

- Designed and directed fabrication of structural, mechanical and electrical systems, including off-grid photovoltaic solar system, for Librii's prototype shipping container library, the eHub. Redesigned and programmed Librii's web presence.
- Served as Librii's first Accra-based employee, performing location scouting, business registration, and market research.

RICE UNIVERSITY SOLAR DECATHLON PROJECT, Houston, TX

Founder; Student Director; Engineering Lead

January 2006-May 2010

- Founded Rice Solar Decathlon, secured \$100k DOE seed grant, and managed interdisciplinary project with \$350k budget.
- Supervised design and construction of HVAC, photovoltaic, solar thermal, and data collection systems.
- Taught five undergraduate and graduate courses at Rice focused on green-building strategies relating to the Solar Decathlon.

PUBLICATIONS

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- Sanchez, R. T., Elliott, A. A., Sibley, R., Grenader, N. S., Houchens, B. C. & Samuels, D. M. ZeRow: Design, Energy Performance and Cost Analysis of a Solar Powered Row House. *Intl. J. for Service Learning in Engineering*, No. 2, 67-86, 2010.

OTHER PROFESSIONAL EXPERIENCE / QUALIFICATIONS

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- Rice University Representative, Copenhagen COP15 United Nations Climate Change Conference (2010)
 - Engineering Intern, Standard Renewable Energy, Houston, TX (2009)
 - Spanish Interpreter and Engineer, Rice University Engineers Without Borders (2006-2009)
 - Forestry Aide and Interpretive Ranger, US Forest Service, Sandia Ranger District, Cibola National Forest (2006, 2007)
 - Intern, Office of Mayor Martin J. Chávez, City of Albuquerque (2005)
 - Proficient in oral and written Spanish