Meet the 2019 Schneider Fellows

The Schneider Fellows program provides Stanford students with opportunities to work at leading U.S. non-governmental organizations (NGOs) in the sustainable energy field.


· Jordan Brinn, ’20 (Environmental Systems Engineering); Natural Resources Defense Council, Santa Monica, CA. Through her fellowship at NRDC, Jordan supported various projects within the American Cities Climate Challenge Team including communication documents, policy and building code research, and presentation materials. Through these projects, she worked with a supervisor and team members in her office as well as people across NRDC offices, partner organizations, and participating city mayoral offices.

· Gabriel Buchsbaum, ’19 (M.S. in Civil and Environmental Engineering); United Nations Foundation, Washington, D.C. Gabriel assisted with the management of the Mini-Grids Partnership, a collaboration between over 320 stakeholders in the mini-grids and energy access sector. His duties included drafting the newsletter and other communications, social media, collaborating with sector leaders, organizing a meeting on the sidelines of an international conference, and assisting with the development of a State of the Global Mini-Grids Market report.

· Jacqueline Ennis, ’20 (Symbolic Systems); Natural Resources Defense Council, Washington, D.C. Jackie worked with the Policy Analysis team within the Climate and Clean Energy program to advance advocacy efforts for a safe climate and clean, equitable energy future. She contributed to a range of projects, including the organization’s Annual Energy Report, recommendations for the North Carolina Clean Energy Plan, and an analysis of electric vehicle availability at dealerships across the US.

· Jake Glassman, ’19 (M.S. in Civil and Environmental Engineering); Rocky Mountain Institute, Basalt, CO. Jack worked on two teams: the Office of the Chief Scientist and the Emergy Solutions team. The former group worked in support of the work of Amory Lovins, RMI’s founder and energy guru, and the latter team now helps drive the energy transition through cross-program collaboration and independent work.

· Catherine Hay, ’20 (M.S. in Civil and Environmental Engineering); Natural Resources Defense Council, Washington, D.C. At the NRDC office in San Francisco, Catherine worked on analyzing the impact of the recent catastrophic wildfires on residential electricity rates in PG&E’s service territory. She also participated in NRDC’s advocacy in Resource Adequacy in the west with a focus on California.

· Rachel Hu, ’21 (Civil Engineering); Audubon, Washington, D.C. Rachel wanted to help advance climate policy and climate change education throughout the U.S. She did this through researching state climate policies and developing communication material for the organization.

· Caroline Kim, ’21 (Chemical Engineering); Environmental Defense Fund, Boston, MA. Caroline worked on the Energy team, where she conducted a policy landscape assessment and composed a policy framework for the electrification of medium- and heavy-duty vehicles.
· Avery McEvoy, ’19 (M.S. in Environmental Engineering); Rocky Mountain Institute, Boulder, CO. Avery worked in the Islands Energy Program at the Rocky Mountain Institute in Boulder, Colorado. She defined, identified, and prioritized critical facilities in Puerto Rico for the large-scale deployment of solar and battery storage microgrids, to ultimately increase energy autonomy and resilience when faced with natural disasters.

· Edith Pan, ’22 (Undeclared); Environmental Defense Fund, New York, NY. Edith provided research and support for the organization’s Puerto Rico Microgrid project.

· Lilla Petruska, ’20 (Earth Systems); United Nations Foundation, Washington, D.C. Lilla Petruska worked at the UN Foundation’s Energy Access program on an initiative called Powering Health Care, which focuses on the energy-health nexus through promoting high-level advocacy for health facility electrification in rural and remote settings. She managed communications for the initiative, developing two new knowledge products, and compiling existing research and impact data related to global health facility electrification.

· Andea Scott, ’20 (Energy Resources Engineering); Union of Concerned Scientists, Boston, MA. Andea worked in the Climate and Clean Energy program analyzing and learning about energy policy and investigated utility storm hardening efforts.

· Yanbo Shu, ’20 (M.S. in Civil and Environmental Engineering); Natural Resources Defense Council, San Francisco, CA. At NRDC, Yanbo worked with both the Climate and Clean Energy program and the International program team. He wrote an issue brief on EV charging infrastructure location and siting best practices for India, and developed an optimization-based business modeling tool to identify public effective policies to facilitate early stage deployment of charging infrastructure in India.

· Erick Siavichay-Velasco, ’21 (Computer Science); World Resources Institute, Washington, D.C. Erick developed his software engineering skills as a data analyst at WRI. He developed machine learning solutions to predict CO2 emissions.

· Emma Spellman, ’20 (Computer Science); Union of Concerned Scientists, Boston, MA. In the Climate and Energy Department, Emma helped with the modeling of self-scheduling coal plants and analyzing their impacts on emissions and the market. Additionally, Emma experimented with different methods of data visualization in order to spark clean energy momentum.

· Jayne Stevenson, ’21 (Earth Systems); Environmental Defense Fund, Washington, D.C. Jayne compiled environmental and demographic information on facilities located in EDF’s target states in order to understand the landscape for climate policy in those places.

· Cayla Whiteside, ’19 (M.S. in Environmental Engineering); World Resources Institute, Washington, D.C. Cayla worked as a GIS research analyst at the World Resources Institute. Cayla conducted geospatial data analysis and literature research on the food, water, and energy nexus for the Water, Peace, and Security Project at WRI.

· Makena Wong, ’20 (M.S. in Environmental Engineering); National Audobon Society, Washington, D.C. As a climate policy fellow at the National Audubon Society, Makena worked on a suite of projects that developed Audubon’s advocacy strategy for a variety of coastal resilience and climate issues. This
included work for a natural infrastructure campaign, mapping flooding and demographic data for the Coastal Carolinas, and developing materials for the launch of Audubon's Climate Report.

· David Yosuico, ‘20 (Civil and Environmental Engineering); US Green Building Council, Washington, D.C. David analyzed building consumption statistics and helped devise and test a new scoring equation for building performance, and he assessed the climate resilience programs for real estate and infrastructure and created visualizations of the data analysis.