

Yirui Zhang

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EDUCATION

Master of Environmental Science and Management (Expected June 2020)

Bren School of Environmental Science & Management – University of California, Santa Barbara (UCSB)

Specialization: Energy and Climate | Focus: Strategic Environmental Communication

Highlight Coursework: Climate, Economics, and Policy; Carbon Footprints and Carbon Accounting; Strategic Environmental Communication; Environmental Data Visualization; Energy, Technology and Environment.

Bachelor of Environmental Science at College of Resources and Environment (June 2018)

Huazhong Agricultural University, China

SUSTAINABILITY EXPERIENCE

Sustainability Intern | VitalMetrics, Santa Barbara, CA (10/19–Present)

- VitalMetrics 360: tested VitalMetrics carbon emission reporting platform and developed user manual; designed quarterly CDP webinars (80+ attendees) and communication materials (slides and poster)
- Consolidated 12,000+ green product data for Green Credit Card Program (Client: Wells Fargo Foundation) from 7 major green product certifiers in single SQL database to optimize statistical efficiency to support machine learning

Program Coordinator | UCSB Apartment Compost Initiative, Santa Barbara, CA (3/19–Present)

- Organized and led quarterly workshops on best practices for composting in 200+ student apartments
- Partnered with UCSB Associated Students Recycling in coordinating program logistics and planning activities
- Tracked, analyzed and reported participation data and program success metrics, including participation rate, collected organic waste, carbon emission reduction, and money-saving at UCSB

Co-Chair | UCSB The Green Initiative Fund, Santa Barbara, CA (7/19–Present)

- Reviewed and assessed sustainability project proposals at UCSB; allocated funding (\$170,000 per year) to support projects that aligns with UCSB sustainability goals and priorities
- Developed a database to consolidate all funded projects from 2016 to 2019 and sorted by topic in a single platform

Energy Analyst | Adopt a Cookstove Initiative, Santa Barbara, CA (4/19–Present)

- Compiled scientific data of cooking fuels in Rwanda; evaluated the renewability of local woodfuel using ArcGIS
- Quantified carbon credits attributed to clean cookstoves under various scenarios in Rwanda; quantified the price of carbon offset and co-benefits of clean cookstoves; co-developed the business plan and assessed the investment return

Planning Intern | Rincon Consultants, Santa Barbara, CA (6/19–9/19)

- Assisted in updating Climate Action Plans for 3 cities/counties in California, designed graphs to visualize projected carbon emissions and reduction target by sector; conducted research in support of NEPA documentation
- Researched feasible greenhouse gas reduction actions on agriculture, transportation and waste recycling; evaluated the cost-effectiveness and socio-environmental impacts of the proposed actions; drafted reports to clients

Program Coordinator | China Youth Climate Action Network, Beijing, China (12/17–8/18)

- Organized 10th International Youth Summit on Energy and Climate Change with 500+ participants and 70 speakers
- Developed 2016-2017 Online Youth Exchange Program in partnership with Care About Climate including holding monthly webinars, leading online climate issue discussion that attracted 300+ participants from 21 countries

SKILLS

Professional Skills: Green building (LEED GA), environmental modeling, GHG accounting, cost-benefit analysis

Data Analysis: Tableau, ArcGIS, Power BI, R Studio, MySQL, MATLAB, and Microsoft Office