

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: Corporate Environmental Management | Focus: Strategic Environmental Communication

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

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)

- CDP Reporting Tool: tested VitalMetrics carbon emission reporting platform and developed user manual; designed quarterly CDP webinars on Scenario Planning (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

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

- Assisted in updating Climate Action Plans for 3 cities/counties in California, researched feasible greenhouse gas (GHG) reduction actions, evaluated the cost-effectiveness and socio-environmental impacts of the proposed actions
- Modeled GHG emission of project construction and operations using AERMOD and drafted report for clients
- Conducted research and documentation in support of CEQA/NEPA document, including IS-MND and EIR.

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

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

- Organized and led quarterly workshops on best practices for composting in student apartments. Tracked and analyzed participation data and program success metrics, including GHG reduction, and money-saving

Consulting Intern | Teconet, Beijing, China (3/17–8/18)

- Performed global climate finance research, investigated institutions and financial instruments for green economy in Asia-Pacific market, identified funding opportunity for developing countries and environmental start-ups
- Supported client (a UK zero-emission paint producer) to develop China market entry strategy, conduct benchmark analysis and established a long-term business partnership with Swire Group (Sanlitun shopping arcade, Beijing)

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, Health Risk Analysis, GHG Accounting, Cost-Benefit Analysis, CEQA/NEPA documentation

Data Analysis: Tableau, ArcGIS, Power BI, R Studio, MySQL, MATLAB, and Microsoft Office (Access, Excel, PowerPoint, Word)