Lydia Whitbeck

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EDUCATION
May 2019

University of Michigan (U-M), Ann Arbor, MI
B.S in Environment; Energy Science and GIS, minor in Geology
- Planet Blue Ambassador, Central Student Government Sustainability Commission
- Accredited LEED Green Associate, US Green Building Council

EXPERIENCE

Jan 2019 – Present

Urban Sustainability Research Group, Ann Arbor, MI
Research Assistant
- Analyzed the supply chain of meat consumption and quantified the number of Concentrated Animal Feeding Operations in the United States by utilizing ArcGIS

June – August 2018

Xanterra Parks and Resorts, Mount Rushmore, South Dakota
Sustainability Intern
- Lead program changes to achieve Parksmart certification and LEED certification to reduce the environmental footprint of the Mount Rushmore parking facility
- Planned and executed a rooftop greenhouse with hydroponic system to provide local, organic and healthful vegetables for the Mount Rushmore guests and employees
- Advocated for waste reduction practices such as recycling and composting to meet the environmental goals of Xanterra Parks and Resorts

May 2017 – Jan 2019

University of Michigan Energy Institute (UMEI), Ann Arbor, MI
Research Assistant
- Assessed the feasibility of carbon neutrality on U-M campus by modeling and analyzing solar micro grid and passive geothermal systems
- Analyzed U-M's current green building standards while compiling new technologies to reduce the university's footprint
- Honed public speaking skills to effectively communicate scientific information to a non-technical audience

April 2018

Towards Carbon Neutrality Conference at the University of Michigan
Student Presenter
- Showcased original research conducted with UMEI to key stakeholders and community leaders on plans for a solar energy and passive geothermal system for U-M

ACTIVITIES AND INVOLVEMENT

2015 – Present

Students Helping Honduras, University of Michigan
Vice President
- Assist in administrative tasks to ensure projects and events run smoothly
- Organize fundraising events to spread awareness and raise funds to construct schools in rural Honduran communities

ADDITIONAL SKILLS
| Intermediate Spanish Proficiency | Intermediate Arabic Proficiency | Adobe Programs | MS Office Proficient | ArcGIS Proficient | C++ | Public Speaking