
Ashlee Patacsil-Hardin

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Environmental Sustainability Specialist Profile

Carbon Management / Ecosystem Science and Sustainability / Greenhouse Gas Emissions
Emerging Environmental Sustainability Specialist with a strong background in carbon management and accounting. Committed to implementing sustainable practices while reducing carbon footprints to create a more environmentally responsible future. My technical and core competencies include:

- Communication and report delivery using Microsoft Suite and Google Workspace
 - Statistics and modeling using MS Excel, R, and OpenLCA
 - Strong background in environmental and ecological systems
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Education

PROFESSIONAL SCIENCE MASTERS - CARBON MANAGEMENT | COLORADO STATE UNIVERSITY, FORT COLLINS | MAY 2024

- Awarded FIELD Fellowship, Colorado State University
- Awarded Riggs Emerging Scientist Fellowship, Earthwatch Institute

BACHELOR OF SCIENCE - BIOLOGY | SOUTHERN UTAH UNIVERSITY, CEDAR CITY | APRIL 2022

Sustainability and Research Experience

Research Assistant

Aug 2022 – July 2023

CSU Bowser/Halliwell Lab, Fort Collins

- Identified and collected information and samples on pollinators using Citizen Science Databases
- Worked with members of the National Parks Service to provide species diversity accounting
- Collaborated in method and protocol creation for native bees and butterflies

Conference of the Parties (COP27)

Aug 2022 – July 2023

Colorado State University, Egypt

- Attended and presented about sustainability issues in the Western United States
- Explored different countries' sustainability and carbon management protocols
- Collaborated with different North American Universities in correlation with YEAH (Youth Environmental Alliance in Higher Education)

Conserving Wild Bees and Other Pollinators of Costa Rica Expedition

June 2023

Earthwatch Institute, Costa Rica

- Collected and observed native bees in small-scale farms
- Researched the effects of changing climate, pesticide use, and habitat loss or degradation that threaten pollinator communities

- Planted native trees and shrubs, increasing knowledge in the flora of Central America

Relevant Coursework

Life Cycle Assessment for Sustainability

Fall 2023

Colorado State University, Fort Collins

- Conducted a comparative Life Cycle Assessment and a Life Cycle Impact assessment on the environmental impacts between stainless steel and plastic reusable water bottles
- Assessed the environmental impacts of services/goods using openLCA software
- Familiar with OpenLCA, Ecoinvent, and Federal LCA commons databases.

Foundations of Carbon/Greenhouse Gas Management

Fall 2022

Colorado State University, Fort Collins

- Developed country-wide emissions reports for sectors in Australia
- Negotiated with other country groups to exceed global emissions targets (below 1.5 °C warming) established in the Paris Agreement
- Knowledge of Scope 1,2, and 3 emissions, management, and global policies regarding emissions reduction.

International Climate Negotiations

Fall 2022

Colorado State University, Fort Collins

- Explored environmental sustainability issues on international teams from institutions around the world.
- Examined environmental issues/policies through class research, and applied knowledge to prepare for climate action negotiations
- Researched climate change effects on a global level through Sustainable Development Goals (SDGs)