Michelle Domocol

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SUMMARY

Agroforestry Consultant, Landscape Designer, and Environmental Educator in California (CA) and the Philippines. Writer for training materials and lesson plans in restoration ecology, environmental education, sustainable gardening. Research Assistant with ten years of experience in environmental consultation, lecturing, and qualitative analysis with numerous non-for-profit organizations, community-supported agriculture organizations, and university student collectives. Herbarium Collection and Public Parks Volunteer. Master of Science in Environmental Studies, San Jose State University (California). Bachelor of Applied Science in Environmental Resource Management (NSW, Australia).

TROPICAL AGROFORESTY CONSULTANT & LANDSCAPE DESIGNER

- Designed landscape restoration projects with assisted natural regeneration, successional agroforestry, and home garden agroforestry

- Trained farm crews with indigenous tree reforestation, propagation protocols, reforestation techniques; taught online training sessions for local restoration methods and monitoring the forest species' development

- Designed farms and advised crop production in the Philippines including: 10-acre agroforestral property redesigned into a vegetable and fruit farm; 5-acre rubber and fruit plantation conversion into an organic vegetable, fruit tree and cacao farm; 17-hectare wellness center with custom roof gardens, vegetable farm, fruit orchards, native species and agroforest

- Created designs, supervised site construction and produced crop management manuals for non-profit organizations and residences. Projects included:
    - 3600 sqft outdoor classroom and community garden for organization called Filipino Advocates for Justice in Union City (California)
    - 3000-6000 sqft Organic Vegetable Gardens and Outdoor Ornamental Gardens Residential landscapes in San Jose, Oakland, Aptos and Saratoga (California)

HORTICULTURAL MANAGER

- Maintained and co-managed conservation horticulture and edible crop nurseries. Project duties included:
    - Volunteered in native plant nurseries and managed native habitat plant stock and crop seedlings for CERES (Centre for Education & Research in Environmental Strategies) Community Environment Park (Australia), Brookfield Gardens Centre (Australia), Northey City Street Farm (Australia) and Precious Plants Nursery (Australia), St Kilda Indigenous Plant Nursery (Australia)

    - Transplanted high volume (approx. 52,000 seedlings) of endemic pickleweed for Candlestick Park (San Francisco) marsh restoration project

    - Assisted with endangered native orchid rehabilitation in Belize; monitored growth of orchid varieties in experimental in-situ propagation to assist leading conservation researchers.

    - Maintained, fertilized, weeded and pruned for rare plant collections, succulent, fruit tree and sun perennial sections of Cabrillo College Environmental Horticulture Center (CA)

    - Assisted with maintenance and management of vegetable seedlings in Veggielution Community Farm (San Jose, CA) and 4.5 acre of residential garden plots (Aptos, CA)

ENVIRONMENTAL EDUCATOR & COMMUNITY ENGAGEMENT COORDINATOR

- Coordinated and organization environmental sustainability programs with undergraduate staff for Cesar Chavez Community Action Center in San Jose State University (California). Oversaw, managed and co-executed university lecture series and interactive garden-based activities to increase university civic engagement, environmental justice awareness, and address university students' access to fresh food.

- Volunteer manager & Natural History educator or Santa Clara Valley Open Space Authority (CA). Environmental Educator at Guadalupe River Park Conservancy (CA). Increased student engagement with California native habitat gardening, water conservation and Guadalupe River ecology.

- Environmental Science and Natural History education assistant for Santa Clara Valley Open Space Authority. Increased public engagement with Santa Clara Valley riparian ecology, water conservation, wildlife linkages and open space preservation priorities. Lead and co-organize open space recreation such as wildflower hikes, astronomy events, and ecological tours in Ulistac Natural Area, Coyote Valley, Sierra Vista and other open space preserves. Co-managed volunteer land stewards, trail patrol and natural history docents.

- Formulated and delivered lesson plans for groups aged 5-16 years in Wild Child Free School, Los Gatos Mountain Nursery School (outdoor home school organizations), Ulistac Natural Area, Union City's Pilipino Youth Coalition, and Veggielution Community Farm (San Jose, CA). Lesson plans include restoration ecology, environmental art, wildlife ecology, plant biology, garden-related sensory exploration and horticulture

- Lead farm tours, garden tours and field trip activities for elementary school groups from Aptitud Community Academy at Goss (San Jose, CA) and McKinley Elementary (San Jose, CA); conducted daily sustainable farm and greenhouse tours for high school and college groups in Veggielution Community Farm (CA)

- Guest educator for Sama Sama Summer Cooperative (Berkeley, CA); created field trip lessons and art activities to engage children (4-8 years old) in California agriculture, Tilden Park (CA) ecology and principles of ecological sustainability • Field Trip educator and assistant for 'Inspiring Connections Outdoors' program in Sierra Club; provided interactive interpretive education for KIPP school teens San Jose (CA) and Santa Cruz (CA) parks

CONSULTANT TO ENVIRONMENTAL YOUTH GROUPS

- Volunteered for Philippine environmental heritage organizations and successfully facilitated student workshops in landscape design, ecological health, environmental and cultural heritage preservation, and environmental project management

COLLEGE TEACHING ASSISTANCE/TUTORING

Course	Semester	University
ENVS 161 California Wildlands	February 2018- May 2018	San Jose State University (California)
PUB209 Health, Culture and Society	July 2010-October 2010	Queensland University of Technology (Australia)

- **Guest lecturing includes with high school and undergraduate groups:**

Forum	Topic	Institution
Farm Crew and Volunteer Training	Crop Management & Greenhouse Maintenance	Veggielution Community Farm, (California)
Dialogue on Climate Justice	Carbon Trading and False Climate Solutions	University of Cebu Banilad (Philippines)
Leadership and Environment Seminar	Environmental Advocacy and Project Management	University of the Philippines-Visayas
Lecture for Social Work Class	Lessons in Community Development	Southwestern University (Philippines)

Permaculture Consultation	Introduction to Permaculture Principles Cebu	Permaculture Initiatives Inc. (Philippines) YoungMinds Academy
Environmental Forum	Importance of Sustainable Agriculture	Ramon Aboitiz Foundation, Inc. (Philippines)

PUBLICATIONS

- **Master of Science in Environmental Studies Thesis**, December 2019

  Domocol, Michelle, "Climate-Driven Insect Herbivory in Mixed Coast Live Oak Woodlands Within the Mt. Hamilton Range, Santa Clara County" (2019).

  Abstract: Climate change is expected to dramatically alter and destabilize critical functions of oak woodlands in California. Oak woodlands support hundreds of vertebrate species and thousands of native insect species. Climate-driven changes in annual temperature, rainfall, and spatial climatic variability may increase insect herbivore pressures on mixed coast live oak woodlands. Results indicate elevation increased mean annual temperature declined, confirming that elevation in this system in is a suitable proxy for climate change. Relationships between herbivory, elevation and plant-defense chemical showed larger plant size correlated with higher herbivory. Results suggest managers should test alternate hypotheses in combination with an elevational framework. As the climate changes, future elevational surveys may help managers preserve Mt. Hamilton's oak woodlands.

- **Co-Author of Tropical Landscape Design and Community Recipe Books for Fundraising Campaigns:**

  Divine Sweets & Treats: Organic Snacks & Desserts. Healing Present Publishing. Jan 2019. ISBN 978-0-9973772-2-4

  Awarded 2019 'Best Pastries & Desserts Cookbook' award by Gourmand International, World Cookbook Awards

  Organic, Divine, Gorgeous Recipes to a Passionate Cook. Healing Present Publishing. June 2016. ISBN 978-0-9973772-0-0

  Awarded 2017 'Best in World, Public Health & Nutrition Category ' and 2017 'Best Public Health and Nutrition Cookbook (Philippines)' by Gourmand International, World Cookbook Awards

  Inflourish: Cebu Kitchen Garden Designs. May 2023.

  Inflourish: Cebu Garden Designs. Feb 2023.

- **Sustainable Design Magazine Article**

Climate Smart Landscapes in rural and urban Cebu. Mar 1, 2018 in Lantawan Magazine, University of San Carlos (Cebu, Philippines)

- **Journal articles produced for Queensland University (Australia):**

School based youth health nurses and attrition: The reasons for moving on
Marguerite C. Sendall, Marylou Fleming, John Lidstone, Michelle Domocol. Community practitioner: the *Journal of the Community Practitioners' & Health Visitors' Association*. Aug 2014.

Nurses and Teachers: Partnerships for Green Health Promotion
Marguerite C. Sendall, John Lidstone, Marylou Fleming , Michelle Domocol. *Journal of School Health*. Jul 2013.

School Nurses and Partnerships for Health Education: Team Teaching in the Secondary School Curricula Marguerite C. Sendall, Marylou Fleming, John Lidstone, Michelle Domocol. *Queensland University of Technology*. Jan 2013.

School nurses and health education: The classroom experience
Julie Klein, Marguerite C. Sendall , Marylou Fleming, John Lidstone, Michelle Domocol. *Health Education Journal.* Oct 2012.

EMPLOYMENT HISTORY

DATE: 2011-present
COMPANY: Healing Present Nature & Wellness Inc. and other private farms
TITLE: **Agroforestry Consultant/ Staff Writer/ Landscape Designer**

DATE: 2019-2019
COMPANY: Cesar Chavez Community Action Center, San Jose State University
TITLE: **Garden Operations and Community Engagement Staff**

DATE: 2018-2019
COMPANY: Guadalupe River Park Conservancy
TITLE: **Environmental Educator/ Guadalupe River Guide**

DATE: 2017-2017
COMPANY: Santa Clara Valley Open Space Authority
TITLE: **Seasonal Educational Aide**

DATE: 2017-2017
COMPANY: Wild Child Free School (South Bay, Silicon Valley)
TITLE: **Natural History Teacher/Outdoor Guide**

DATE: 2016-2016
COMPANY: Veggielution Community Farm
TITLE: **Farm Assistant**

DATE: 2013-2013
COMPANY: Sunset Magazine
TITLE: **Garden/Garden Designer**

DATE: 2012-2012
COMPANY: Cabrillo College Horticulture Department (Aptos, CA)
TITLE: **Student Horticulture Assistant**

DATE: 2012-2012
COMPANY: Central Coast Wilds (California)
TITLE: **Nursery work Assistant**

DATE: 2011-2011
COMPANY: St. Michael's Play Garden (Philippines)
TITLE: **Garden Designer**

DATE: 2010-2011
COMPANY: Queensland University of Technology (Australia)
TITLE: **Research Assistant/Journal Author**

DATE: 2010-2010
COMPANY: Queensland University of Technology (Australia)
TITLE: **Guest Lecturer/Health Sociology and Medical Anthropology Tutor**

VOLUNTEER WORK

DATE: 2023-present
COMPANY: University of Guam
TITLE: **Herbarium Volunteer**

DATE: 2013-2022
COMPANY: Filipino/American Coalition for Environmental Solidarity
TITLE: **Board Member**

DATE: March 2021- May 2021
COMPANY: Garden to Table Urban Farm (California)
TITLE: **Garden Assistant**

DATE: March 2020- June 2021
COMPANY: California Phenology Collections Network
TITLE: **Virtual Herbarium Specimen Data Transcriber**

DATE: 2017-2018
COMPANY: Santa Clara County Parks/Santa Clara Open Space Authority
TITLE: **Land Steward/ Invasive Species Removal Crew**

DATE: 2012-2017
COMPANY: City Slickers Farm
TITLE: **Volunteer Backyard Garden Mentor**

EDUCATION

San Jose State University, M.S. Environmental Studies, 2019
Southern Cross University (Australia), Bachelor of Applied Science in Environmental Resource Management, 2007

Community Advocates Leadership Academy Training Program, Committee for Greenfoothills with Acterra & Sustainable San Mateo, 2016
Introduction to Horticultural Therapy
Horticultural Therapy Institute, University of California, Elkus Ranch, 2012
Crop Production and Landscape Design,
Cabrillo College, Aptos, CA, 2012
Semester Research Work, Study Abroad Program for Natural and Cultural Ecology,
School for International Training-Belize, 2004
Summer Course in Cultural Anthropology
Montclair State University, NJ, USA 2003
The Meeting School (High School)
Rindge, NH, 2002

CERTIFICATES

Botanic Garden Basics & Forest Restoration, Botanic Gardens Conservation International, 2023
Plant Conservation Certificate Course. San Diego Zoo Wildlife Alliance Academy, 2023

Wilderness First Aid, Foster Calm, Stockton, CA, 2016-2018
California Naturalist Certification, University of California, Davis Department of Agriculture and Natural Resources, 2015

Certificate Course in Social Marketing/Community Organizing (Renewable Energy Systems),
Development Academy of the Philippines/Department of Energy, 2007
Permaculture Design Certificate Course, Diversity Farm, The Channon, NSW, Australia, 2003

ENVIRONMENTAL MANAGEMENT UNITS

Intro to Geographic Information Systems (GIS), San Jose State University (California), 2019
Environmental Restoration, San Jose State University (California), 2019
Wilderness Conservation, Southern Cross University (Australia), 2004
Indigenous Environmental Management, Southern Cross University (Australia), 2004

VOLUNTEER MANAGEMENT/ ENVIRONMENTAL EDUCATOR TRAINING

Certified Environmental Educator- Project Learning Tree, University of California Agriculture and Natural Resources, 2021
BEETLES Outdoor Science Workshops, Guadalupe Park Conservancy, 2018
Front Country Leadership Course, Bay Area Wilderness Training, 2017
Vegetation Rapid Assessment/Reléve Training Program, California Native Plant Society, 2017

COMPUTER PROGRAM PROFICIENCY

MS Word, MS Excel, OpenOffice, MS Publisher, Adobe Photoshop
ArcGIS 10.5 and 10.6 Editing, Geoprocessing, Geocoding, Georeferencing
Volunteer Management Software for Open Space Authority
Realtime Architect (Landscaping CAD software)
Wordpress Web Design software
G.I.M.P (Open source Graphic Image Manipulation Program)
G Suite