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EDUCATION/TRAINING

Ecology-Based Landscape Design: An Intensive Course | designers **Larry Weaner & Ian Caton**, *Virtual (2021)*

Mt. Cuba Horticultural Center Ecological Gardening Certificate, *Hockessin, DE (2018-2019)*

Permaculture Design Certificate, *Lancaster, PA (2019)*

Chesapeake Bay Landscape Professional Certificate, *Lancaster, PA (2019)*

Garden Design Workshop | designer **Danilo Maffei**, *Hockessin, DE (2019)*

Pennsylvania Master Naturalist Training, *Lancaster, PA (2018-2019)*

Designing Native & Ecological Plant Communities | designer **Claudia West**, *Philadelphia, PA (2018)*

National Wildlife Federation Habitat Steward Certificate, *Lancaster, PA (2018)*

Wilderness First Aid (WFA) and Adult/Child CPR Certificate, *Lititz, PA (2018)*

Millersville University Watershed Education Training Institute Training (WETi), *Millersville, PA (2018)*

Biology 7-12 Instructional II Certificate, *Lancaster, PA (2017)*

Masters of Education in Environmental Education, *Slippery Rock University (2016)*

Civic Ecology Certificate, *Cornell University (2016)*

Pennsylvania Horticultural Society Tree Tenders Training, *Lancaster, PA (2016)*

Self-Regulation and Wellness Works Educator Training, *Millersville, PA (2011)*

PA Teaching Certification in Secondary Biology, *Millersville University (2011)*

Conflict Resolution Mediation Training, *Lancaster, PA (2010)*

Bachelors of Science in Environmental Studies, *Moravian College & American University (2007)*

ECOLOGICAL DESIGN/ENVIRONMENTAL EDUCATIONAL EXPERIENCE

Ecological Landscape Designer and Training Facilitator, *South Central PA (2018-Present)*

- Design, install, and steward native residential and commercial habitat gardens and facilitate workshops/trainings to build community capacity to create and steward ecological gardens

PA Council on the Arts | Artist in Residence, *Lancaster, PA (2018- Present)*

- Facilitate STEAM based Schoolyard Habitat enrichment program at School District of Lancaster schools to create schoolyards for wildlife conservation and cross-curricular learning

Lancaster Schoolyard Habitat Coordinator, *Lancaster, PA (2018-Present)*

- Contracted by the National Wildlife Federation to collaborate with federal, state, and local partners to design, build, and collaboratively manage schoolyard habitats and facilitate educator professional development trainings

Environmental Science Independent High School Educator, *Lancaster, PA (2017-2018)*

- Crafted rigorous project-based learning Environmental Science courses for 9-12th graders, based on the design thinking model and Next Generation Science standards

Life Science School District of Lancaster Middle School Educator, *Lancaster, PA (2010-2017)*

- Facilitated project-based learning of diverse (low-income, refugees, ELLs, IEPs, Sp. Ed., Honors) 7th and 8th grade students, coordinated the 6-8th STEM Fair, and developed district-wide Science curriculum

Hand's Woods Restoration Community Organizer, Lancaster, PA (2012-2017)

- Coordinated community clean-up events towards the restoration of an 8.5-acre urban forest and developed a collaborative network of institutions to create and support a grant-funded Master Plan

Lead Naturalist, Roving Nature Center, Wyomissing & Lancaster, PA (2008-2009)

- Facilitated outdoor, exploratory, summer learning opportunities for K-6th graders, developed curriculum to meet student interests, and supervised assistant teachers in the development of new programming

South Africa Sustainability, Project Manager, Limpopo Province, South Africa (2007-2008)

- Planned and managed a project to build the nutritional and educational capacity of a rural crèche, annually serving over 150 rural children

Intern, National Zoo, Smithsonian Monitoring and Assessment of Biodiversity, Washington, DC (2007)

- Program development of youth environmental education at the National Zoo and presented to Zoo Board about enhancing ecological literacy components to the zoo's exhibits

Intern, Penn State York Campus, Freshwater Ecology Department, York, PA (2006)

- Assisted Limnology professor in conducting biological surveys (periphyton and macroinvertebrates) of impaired streams in York County, taxonomically classifying macroinvertebrates to assess stream health

Intern, Land Stewardship, Lancaster County Conservancy, Lancaster, PA (2004-2005)

- Maintained and created county-wide public trail system, removing invasives and planting native species and assisted in the design and implementation of environmental education programming

Thistle Organic Landscaping, Landscaper, Lititz, PA (2003-2004)

- Manual site prep without use of chemicals to manage existing gardens and build new perennial gardens and stonework hardscaping including; paths, retaining walls, and accent rock gardens

AWARDED GRANTS

National Fish and Wildlife Federation (NFWF), \$176k- Partnership with City of Lancaster, School District of Lancaster Facilities, and NWF Schoolyard Habitat to assess urban nutrient management on school campuses

Lancaster County Community Foundation, \$15k - Master Plan for the restoration of Hand's Woods

South Africa Sustainable Crèche Project, \$10k- rural school vegetable garden program in the Limpopo Province

Chesapeake Bay Trust, \$5k- student-designed multi-functional urban outdoor classroom/rain garden

Water Week Grant, \$5k- student-designed urban schoolyard rain garden

Lancaster Education Foundation, \$2.5k- Martin K-8 Schoolyard Habitat Artists in Residency

Millersville University Positive Energy Award, \$2.5k- Price Elementary Schoolyard Habitat Artists in Residency

S.H.A.R.E. Grant, \$1k- schoolyard wildlife habitat and vegetable garden maintenance tools, rain barrels, seeds

Indiegogo Generosity Crowdfunding, \$1k- student-designed schoolyard wildlife habitat project

Lancaster Sierra Club, \$500- planting of urban schoolyard trees and schoolyard habitat maintenance tools

VOLUNTEERING

Lancaster Native Plant Alliance Co-President
(2021-Present)

Water Quality Volunteer Coalition (2018-Present)

Community Wildlife Habitat Steward (2018-Present)

Pennsylvania Master Naturalist (2018-Present)

Lancaster Tree Tenders (2016-2019)

Lanc Conservancy Ed Committee (2018-2019)

Franklin Terrace Riparian Buffer Project (2018-2019)

Lanc Conservancy Urban Greening Committee
(2015-2019)

Hand's Woods Restoration (2015-2017)

Digit! Community Garden (2009-2010)

Codorus Creek Partnership (2001-2003)

TECHNICAL SKILLS

Presentation and Processing: Open Office Suite, Google Suite Applications, Microsoft Office Suite, SMART boards, iPads, Citizen Science Apps (iNaturalist, SEEK, Cornell Lab Merlin)

Landscaping Logistics: operation of basic power tool equipment and landscape design drawing tools