

# Curriculum of Vitae of Jennifer Killian, MS

## EDUCATION

### **M.S. in Environmental Sciences 2012**

Professional Science Masters

Oregon State University Corvallis, OR

Project Title: A Theoretical Framework for Creating a Healthy and Diverse Parkway Tree Population in the Village of Mount Prospect

### **B.S. in Environmental Studies, Cum Laude 2008**

Broad Field Natural Science; Environmental Studies

Edgewood College, Madison WI

Senior Thesis: Effects on Increased Carbon Dioxide Concentrations and Temperature on Maple Trees

## EMPLOYMENT

### **ASSISTANT PROFESSOR OF PRACTICE & URBAN FORESTRY EXTENSION SPECIALIST, CORVALLIS, OR**

Oregon State University, March 2025-Present

Develop and deliver lectures and videos, supplementing course content with relevant readings and activities. Facilitate virtual discussions and group projects, promoting collaboration and critical thinking in a remote learning environment via CANVAS. Create and present workshops and educational opportunities to the community through extension work, while staying current on industry standards to ensure the accuracy and relevance of course material.

### **COMMUNITY ASSISTANCE FORESTER, SALEM, OR**

Oregon Department of Forestry, March 2024 -Present

Provided technical, educational, and financial assistance to communities across the state to help them meet their urban forestry management goals. I aided in the creation and administration the *Growing Equity: Urban and Community Forestry Subaward Program*, explicitly devoting \$ 10 million to the nine Federally Recognized Tribes of Oregon and \$12.5 million to all eligible entities.

### **URBAN FORESTER, Corvallis, OR**

City of Corvallis Parks & Recreation, April 2020- March 2024

Managed the Urban Forestry program as outlined in the Corvallis Urban Forestry Management Plan and Corvallis Municipal Code with a crew of 4 full-time and 5-7 seasonal employees. That program oversees the planting, maintenance, and removal of over 20,000 inventoried street and park trees along with un-inventoried riparian and natural area trees.

**URBAN FORESTRY OUTREACH SPECIALIST, Corvallis, OR**

City of Corvallis Parks & Recreation, May 2017- April 2020

Oversaw the City's tree planting and establishment program, leading volunteer efforts to plant over 200 trees annually in public spaces, with a focus on improving canopy coverage in under-served neighborhoods. I frequently give environmental educational talks to schools, organizations, and conferences about the importance of trees, maintaining the urban canopy, and how the community can work together to preserve and protect our urban forests.

**PROGRAM COORDINATOR, Eugene, OR**

Friends of Trees, July 2013-June 2016

Managed tree planting, maintenance, and inventory programs for Neighborhood Trees, Green Space, and Volunteer Programs, overseeing the planting of over 800 trees annually and coordinating large-scale volunteer events for 700+ volunteers. I led community outreach efforts, including canvassing for tree plantings, conducting site inspections, and teaching environmental education programs, while also securing funding through grants and overseeing media relations. Additionally, I collaborated with the City of Eugene, local nurseries, and public agencies to ensure the successful implementation of tree selection, planting, and restoration projects across the city.

**REMOTE SENSING ANALYST, Corvallis, OR**

NV5 (formerly Watershed Sciences) 2013- 2014

Analyzed LiDAR data for accuracy and quality assurance, supporting large-scale remote sensing projects for multiple clients. I contributed to the analysis of LiDAR data from the Oso landslide, coordinating with the Washington Department of Transportation to ensure accurate data delivery for their project needs.

**FORESTRY INTERN, Village of Mount Prospect, IL**

Village of Mount Prospect Public Works, Summer 2011

Conducted a comprehensive inventory of 5,000 trees and played a key role in the community's recovery following two tornadoes and the discovery of an Emerald Ash Borer infestation. Leveraged inventory data to assess the financial and operational impacts of these events on the Village's budget, planning strategies, and street tree management plans

**GRADUATE RESEARCH ASSISTANT, Corvallis, OR**

Oregon State University, 2010-2011

Provided academic advising support in the College of Earth, Ocean, and Atmospheric Sciences at Oregon State University, assisting students with E-Campus navigation and researching nearby institutions to fulfill in-person lab requirements

**Forestry Technician, Madison, WI**

Wisconsin Department of Agriculture, 2008-2010

Conducted tree inspections across the state to identify signs of EAB, working closely with local officials to develop management plans for infested areas. I collaborated on large-scale, multi-agency projects involving local, state, and federal governments, contributing to the discovery of one-third of

the state's infested areas in 2010. Additionally, I managed forestry field crews, participated in surveys, trapping seasons, and firewood inspections, and utilized mapping and GPS tools during field work.

### **Research Assistant, OH Hinsdale Wave Research Lab**

Oregon State University, Summer 2007

Worked on a team to construct a detailed model of downtown Seaside, Oregon, for inundation studies, helping city planners evaluate and improve evacuation strategies. Additionally, I contributed to community outreach efforts focused on emergency disaster preparedness and successfully tested tsunami wave impacts and infrastructure pressure in a large-scale testing facility

## **TEACHING**

### **INSTRUCTOR, CORVALLIS, OR**

Oregon State University, September-March 2024

FES/HORT 350 Urban Forestry

### **PART-TIME TEACHING FACULTY, Albany, OR**

Linn Benton Community College, 2019

HORT 247- Arboriculture: Principles & Practice

Developed and delivered lecture materials for the 4-credit course *HORT 247: Arboriculture: Principles and Practices*, including designing a comprehensive curriculum and hands-on lab experiences for 14 students. Led practical lessons on planting, pruning, and climbing techniques. Assessed student progress through quizzes, final exams, and project-based evaluations

### **GRADUATE TEACHING ASSISTANT, BIOLOGY PROGRAM**

Oregon State University 2011- 2013

BI 101- Ecology, Diversity and Environmental Science

BI 102- Genetics, Evolution, and Behavior

BI 103- Human Anatomy, Physiology, and Human Disease

BI 211- Principles of Biology

BI 212- Principles of Biology

BI 213- Principles of Biology

## **ADVISING**

Since graduating from Oregon State University, Dr. Paul Ries has asked me to professionally mentor 5 of his graduate students through their capstone experience and help several of his undergraduate students with various assignments including attending tree board meetings, conducting tree inventories, and other activities related to the completion of their course work.

## **SKILLS**

As an instructor with a strong background in Urban and Community Forestry and Arboriculture, I have honed my ability to effectively design and deliver engaging course content. I am proficient in using the OSU Ecampus platform to manage lesson modules, track student progress and engagement, and

facilitate discussion boards. I have experience in designing and delivering undergraduate courses, and I use Canvas to develop interactive course materials, including multimedia lectures, quizzes, assignments, and discussion boards, ensuring that learning objectives are aligned with assessments.

## **PUBLICATIONS**

**Krebs, J.** 2012. A Theoretical Framework for Creating a Healthy and Diverse Parkway Tree Population in the Village of Mount Prospect. Masters Project Report. Corvallis, Oregon: Oregon State University Library. Available online at: <http://ir.library.oregonstate.edu/xmlui/search>

**Krebs, J.** Cox, D., Yeh, H. 2007. A Physical Model Study of Tsunami Inundation with Coastal Infrastructure. Earthquake Engineering Symposium for Young Researchers. Conference Proceedings. Seattle, Washington. Available at: <http://mceer.buffalo.edu/education/reu/2007/content/26krebs.pdf>

## **POSTER PRESENTATIONS**

**Krebs, J.** 2011. A Theoretical Framework for Creating a Healthy and Diverse Parkway Tree Population in the Village of Mount Prospect. Professional Science Masters Annual Workshop. December 3, 2011. Oregon State University, Corvallis, Oregon.

**Krebs, J.** 2010. Easy, Breezy, Beautiful Parkway trees. Class poster presentation. Oregon State University, Corvallis, Oregon.

**Krebs, J.** 2010. Its not easy being green: a presentation in Environmental Ethics. Class poster presentation. Oregon State University, Corvallis, Oregon.

## **SELECT CONFERENCE PRESENTATIONS AND SEMINARS**

*Emerald Ash Borer; A Possible Municipal Response.* Pacific Northwest Chapter of the International Society of Arboriculture Annual Training Conference. October, 9<sup>th</sup> 2024 Penticton, BC Canada

*A Tale of Two Cities: How to Obtain Funding For Your Municipal Tree Program.* Pacific Northwest Chapter of the International Society of Arboriculture Arbor Chat Web Series 2022

*Plant Where We Can't! Expanding Your Urban Tree Canopy onto Private Property.* Partners in Community Forestry Annual Conference. November 21<sup>st</sup> 2019, Cleveland, Ohio

*The Cost of Not Maintaining Your Urban Tree Population.* Oregon Community Trees Urban and Community Forestry Conference June 7<sup>th</sup> 2018. Portland, Oregon

*Edgewood College's Quest for Sustainability.* Presented at the Upper Midwest Association for Campus Sustainability Conference. Luther College, April 19<sup>th</sup>, 2008 Decorah, Iowa.

*A Physical Model Study of Tsunami Inundation with Coastal Infrastructure.* Presented at the Annual Argonne Symposium. Argonne National Laboratory. 2008 Lemont, Illinois.

*Effects on Increased Carbon Dioxide Concentrations and Temperature on Maple Trees.* Edgewood College Undergraduate Research Conference, May 12<sup>th</sup> 2008, Edgewood College, Madison, Wisconsin.

*A Physical Model Study of Tsunami Inundation with Coastal Infrastructure.* Presented at the Earthquake Engineering Symposium for Young Researchers Conference, August 10<sup>th</sup>, 2007, Seattle, Washington

*Skydust: What's really falling from the sky?* Edgewood College Undergraduate Research Conference. Edgewood College, May 4<sup>th</sup> 2006, Madison, Wisconsin.

## **HOSTED TRAININGS**

*Eastern Oregon Small Tree Pruning Workshop.* Hosted small tree pruning workshop in partnership with PNWISA and OCT. October 21<sup>st</sup> 2024

*Emerald Ash Borer and Mediterranean Oak Borer: Managing New Threats to Oregon's Trees.* Presented to USFS and NRCS staff. June 6<sup>th</sup> 2024

*Emerald Ash Borer; What to know.* Corvallis Neighborhood Association Group. Corvallis, OR September 21<sup>st</sup> 2023

*Emerald Ash Borer; Planning for the Inevitable.* Mary's River Watershed Council Tap Talk. Corvallis, OR September 21<sup>st</sup> 2023

*Right tree, right place.* Virtual Presentation to residents in City of Corvallis hosted by Corvallis Community Center C3 May 21<sup>st</sup> 2021 and 15<sup>th</sup> 2023

*Tailgates.* Biweekly safety meetings with the Corvallis Urban Forestry tree crew to discuss safety and cover safety topics 2020-2024

*Working Around City Trees; Current Regulations and Best Management Practices in the City of Corvallis.* Presented to group of contractors and developers. 2019

*Common Tree Problems.* Community presentation hosted by Parks and Recreation. 2019

*Insights into Gardening - Trees!* Presented to Corvallis Master Gardeners. 2018

*Crew Leader Training.* Hosted regional crew leader trainings for up to 50 volunteers at a time. Friends of Trees. 2013-June 2016

## **NEWS AND MEDIA**

*Seeds of Peace; The story of how one Hiroshima survivor's seeds of peace took root in communities across Oregon.* Documentary. (Work in progress)

*Illegal maple burl harvesting damages historic trees in Corvallis Park.* KPIC24. June 19<sup>th</sup> 2023

*Vandalism threatens Corvallis Trees.* Live OPB interview. June 16<sup>th</sup> 2023

*Corvallis park hit by chainsaw-wielding thieves after valuable maple burls.* KGW8 June 14<sup>th</sup> 2023

*More trees mutilated as Corvallis officials try to find burl thieves.* KEZI 9. June 22<sup>nd</sup> 2023

*'Profoundly devastating': Invasive emerald ash borer threatens Oregon trees.* OregonLive. August 8<sup>th</sup> 2022.

*Friends of Trees to Plant Trees in Eugene and Springfield Metro.* Live In Studio Interview KEZI9 September 15<sup>th</sup>, 2014

## **CERTIFICATIONS**

Wildfire Risk Reduction Qualification, International Society of Arboriculture	2024
Tree Risk Assessor Qualification, International Society of Arboriculture	2022
Incident Command System (various courses)	2017
Certified Arborist, International Society of Arboriculture	2015

## **AWARDS**

President's Award, Oregon Community Trees	2022
Outstanding Poster Award, Annual Professional Science Masters Workshop	2011
Edgewood College Outstanding Senior Science Student of the Year	2008
Edgewood College Outstanding Junior Student of the Year	2007

## **PROFESSIONAL OUTREACH AND SERVICE**

Oregon Community Trees, Board member	2016- present
Urban and Community Forestry Conference Chair	2017-2020
Civic Beautification and Urban Forestry Committee	2016-2024
Corvallis Heritage Tree Committee	2016-2024
Developed OSU PSM Student-Alumni Mentoring program	2012
OSU's student representative for National Professional Science Masters Ambassador Program	2012
President of Wood's Edge Environmental Studies Student Group	2007-2008
Founder of Edgewood College Science Society	2007