

NICOLAOS C. TSICHLIS

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Highly motivated, ecologically focused professional. Attention to detail cultivated through a unique history of academic and professional experiences. Knowledge of techniques and practices in the fields of fine horticulture and organic vegetable farming has been bolstered through graduate-level coursework and research. Seeks employment in the field of conservation ecology that will broaden understanding of and appreciation for the natural world.

Relevant Professional Experience

- Graduate Student Consultant
Michigan Audubon Society, Okemos, MI (2020-2022)
Collaborated with client on multiple projects related to master's project and frequently incorporated their input to maximize the usefulness of the final product
- Organic Vegetable Farm CSA Crew (2019-2020)
The Trustees of Massachusetts: Appleton Farms, Ipswich, MA
All aspects of hands-on organic vegetable production and equipment maintenance
- Crew Leader, Horticultural Supply Manager, Primary Plant Purchasing Agent
A Blade of Grass LLC, Sudbury, MA (2010-2012; 2014-2018)
Landscape horticulture planning, installation, maintenance; management and personal oversight of properties

Additional Professional Experience

- Research Assistant (2012-2013)
Molecular Oncology Research Institute, Tufts Medical Center, Boston, MA.
All aspects of literature and hands-on cancer research

Education

University of Michigan, Ann Arbor, MI

Master of Science, School for Environment and Sustainability: Ecosystem Science and Management (2022) **GPA: 4.0**

- *Coursework and master's project focused on native plant and plant community identification, the biology and chemistry which dictate ecosystem function, and the interplay between anthropogenic activity and environmental health and sustainability*
- *Emphasis on data-driven decision making and the development of the analytical tools required to educate, effect change, and improve ecosystems*
- *Direct experience researching and planning complex environmental restorations including paper writing and literature review*
- *Master's Thesis: Contributing team member to the research, conceptualization, and creation of a comprehensive management plan for a 4,000 acre preserve in western Michigan with multiple restoration objectives over a ten-year timeline*

University of Vermont, Burlington, VT

Certificate, Professional and Continuing Education: Farmer Training Program (2018)

- *Immersive experience in sustainable agriculture; operated 10-acre working farm*
- *Skill-based education in organic farming practice refined with three internships on working farms in northern and central Vermont*

University of Rochester, Rochester, NY

Bachelor of Arts, Political Science – Environmental Studies Concentration (2009)

- *Analysis of socio-political history, planning and policy implementation*
- *Focus on environmental studies and environmental policy*

Hands-on and Practical Knowledge and Experience

- Experience in planning and executing detailed, large scale planting projects involving specialized plant care and fine gardening; experience managing crop rotations
- Demonstrated ability to assess a broad range of horticulture issues, predict problems and amend situations through critical thinking and accumulated expertise
- Conceptualization of successful paradigms of organic vegetable production
- Understanding of practical methods to maintain soil tilth and biological diversity
- Experience envisioning and designing productive landscapes that benefit native pollinator communities through native species selection and hydrological manipulation
- Familiarity with cultural and biological pest management practices
- Graduate-level understanding of soil characteristics and how to evaluate nutrient credits
- Proficiency with tractors and specialized farm equipment

Academic and Computational Skills

- Understanding of the unique ecology of plant communities of the Northeastern and Midwestern United States and the anthropogenic pressures which threaten them
- Taxonomic knowledge of native and non-native woody and herbaceous species cultivated through eight years of hands-on field experience as well as graduate-level coursework; particularly detailed understanding of the flora of zones 4-7
- Proven ability to perform literature review from the synthesis of books and academic journals
- Graduate level knowledge of statistics and working experience with digital statistical analysis tools
- Proficiency with Microsoft Word, Excel, and PowerPoint; R Statistical Software; ArcGIS Pro; Adobe Photoshop, Lightroom, InDesign, and Premier Pro

Demonstrated Leadership Traits and Personal Characteristics

- Enthusiastic and engaged naturalist with interests rooted in environmental science, land management and conservation, restorative agriculture, and sustainability
- Experienced team motivator; maintains an inclusive, productive group work environment through creativity and positive practice
- Skilled in accurately planning a range of projects of varying size and complexity with a demonstrated ability to focus on efficiency and work quality

- Skilled in organizing a multitude of responsibilities within a weekly schedule
- Demonstrates strong and consistent integrated and applied learning
- Combines academic data-based approach with hands-on experience
- Professional attitude in all aspects of learning and project work; organized and punctual
- Skilled leader and respectful team member engaged in hearing and engaging with all viewpoints
- Always seeks out new experiences and new learning environments
- Experienced landscape and low-light photographer who is enthusiastic to utilize the power of art to bring attention to and influence environmental causes

Professional Certifications and Publications

- Massachusetts Commercial Pesticide Applicators License (2016-2020)
- Massachusetts Hoisting Engineer 2A License (2017-2020)
- Stoyanova, R., Clapper, M. L., Bellacosa, A., Henske, E. P., Testa, J. R., Ross, E. A., ... & Knudson, A. G. (2004). Altered gene expression in phenotypically normal renal cells from carriers of tumor suppressor gene mutations. *Cancer biology & therapy*, 3(12), 1313-1321.
- Jena, N., Sheng, J., Hu, J. K., Li, W., Zhou, W., Lee, G., ... & Hu, M. G. (2016). CDK6-mediated repression of CD25 is required for induction and maintenance of Notch1-induced T-cell acute lymphoblastic leukemia. *Leukemia*, 30(5), 1033-1043.