

NICOLE TU-MAUNG

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(314)-843-0210

EDUCATION

M.S. Environment & Resources, 2019

The University of Wisconsin-Madison

Nelson Institute for Environmental Studies

B.S. Environmental Science & Sustainability, 2017

Cornell University

Department of Natural Resources

*Magna Cum Laude
Distinction in Research*

EXPERIENCE

Communications Officer/Independent Consultant

Conyat Create Sustainability Consultants

Sept 2019 - Present

Yangon, Myanmar

Managed all communications activities including marketing, community outreach, event planning, publicity, and client relations for a Myanmar-based environmental and sustainability consulting firm. Developed marketing materials, branding strategy, new company website, and multimedia content for social media. Coordinated and designed strategy for a public outreach program, *Climate Talks*, which delivers participatory lectures and activities to public schools and the general public in Yangon to promote environmental literacy.

Developed communication strategy, content, training, and graphic design for client projects including:

- Guide to decent domestic work in Myanmar, supported by the International Labour Organization;
- Corporate strategy for a global security and facilities firm to meet standards in environmental impact, human rights, fair labor, and anti-corruption as outlined by the UN Global Compact;
- Design of public consultation materials for a large-scale hydropower development project;
- Report on stakeholders in hydropower project affected areas.

Currently working as a remote, independent consultant, fulfilling the above duties on a project basis.

Faculty in Sciences

Parami Institute for Liberal Arts and Sciences

Aug 2019 - May 2020

Yangon, Myanmar

Developed curriculum for and taught courses for post-graduate students in an advanced, one-year liberal arts program. Courses taught included Ecology & Evolution, Perspectives on Climate Change, and Global Food Systems & Agriculture. Led a research design seminar on interview methods, qualitative data collection, and academic & non-academic writing in the sciences with a focus on conservation, environmental education, and urban ecology.

Graduate Teaching Assistant

Department of Integrative Biology, The University of Wisconsin-Madison

Sept 2018 - May 2019

Madison, WI

Taught undergraduate laboratory courses to ~160 students in introductory biology, zoology, and botany. Teaching load was 2 classes per semester, each meeting 3 hours per week. Prepared wet labs, graded laboratory assignments, and administered exams. Advised ~50 students on writing manuscripts for quantitative research projects.

EXPERIENCE

Research Assistant

Department of Biological and Environmental Engineering, Cornell University

2015 - 2017
Ithaca, New York

Designed and performed laboratory experiments to optimize detection of vitamin B in fish tissues and eggs. Prepared manuscripts for publication in academic journals and presented posters at relevant symposiums.

Intern

Arnot Research and Teaching Forest

Summer 2016
Van Etten, NY

Collected field data to monitor amphibian and reptile populations in response to various timber harvest practices. Contributed to the development of a citizen science approach to wildflower and forest monitoring for use by the New York State Dept. of Environmental Conservation. Provided outreach and extension services for the E.L. Rose Conservancy in Silver Lake, PA.

Principle Teacher

Westchester County Parks and Recreation Dept.

Summers 2014-2015
Various Locations, Westchester County, NY

Developed curriculum for outdoor environmental programs for children and youth in elementary, middle, and high schools. Taught environmental programs at various Westchester County Parks locations including Cranberry Lake Preserve and Muscoot Farm. Cared for all aspects of domesticated animals and handled wildlife while facilitating educational programs.

PUBLICATIONS

Popular

Freelance writer, specializing in topics of environment and culture with bylines in [Frontier Myanmar](#), [Environmental History Now](#), [Oxford Tea Circle](#), and [Edge Effects](#).

Book Chapter

- 2020 Tu-Maung, N. (2020) "Spirits and Serpents; Capitalist and Buddhist Prosperity in the Snake Temples of Myanmar," in *Taking Place; Indigenous Perspectives on Future(s) and Learning(s)*, Routledge, Oxfordshire, UK. **(Forthcoming)**.

Peer Reviewed

- 2020 Tu-Maung, N., (2020), Environmental Learning in Myanmar: Governance, Resistance, and Literacy. *Parami Journal of Education*. **(Forthcoming)**.
- 2019 Edwards, K. A., Randall, E. A., **Tu-Maung, N.**, Sannino, D. R., Feder, S., Angert, E. R., & Kraft, C. E. (2019). Periplasmic binding protein-based magnetic isolation and detection of thiamine in complex biological matrices. *Talanta*, 205, 120168.
- 2017 Edwards, K. A., **Tu-Maung, N.**, Cheng, K., Wang, B., Baeumner, A. J., & Kraft, C. E. (2017). Thiamine assays—advances, challenges, and caveats. *ChemistryOpen*, 6(2), 178-191.

HONORS & AWARDS

- Cal De Witt Graduate Scholarship** 2018 - 2019
Nelson Institute for Environmental Studies, UW-Madison
Awarded for research on religion and the environment
- Foreign Language & Area Studies Graduate Fellowship (FLAS)** 2017 - 2018
U.S. Department of Education
Awarded for area studies in Southeast Asia
- Horacek Fellowship for International Conservation Experiences** 2016 - 2017
Department of Natural Resources, Cornell University
Awarded to participate in conservation research in South Africa

SKILLS

Proficient in Microsoft Office suite including Word, Excel, Powerpoint, and Office 365

Developing and delivering online classes

Graphic design with Canva Pro

Modeling softwares including R, Populus, Maxima, and Vortex

Gene sequencing using GenBank and NCBI Basic Local Alignment Search Tool (BLAST)

Field protocols for forest inventory and forest management softwares including North East Decision Model (NED) and Silviculture of Allegheny Hardwoods (SILVAH)

Laboratory protocols for performing HPLC, ELISA, and fluorescence spectroscopy

CERTIFICATIONS

- Wisconsin Cooperative Trapper Education Program** 2019
- Collaborative Institutional Training Initiative Program** 2018
Ethical and regulatory protocols for research with human subjects
- CRP, First Aid, Field Safety** 2016
- New York State Hunter Education Program** 2016
- Cornell University Environmental Health and Safety Training** 2016
Laboratory safety and waste disposal for Biosafety Level 2

INTERESTS

Proficient water color, acrylic, and oil painter

Extensive travel throughout Southeast Asia and Southern Africa

Knowledge of historical, political, and cultural context of Myanmar

Experienced hiker and navigator in wilderness areas

LANGUAGES

Burmese
Native/bilingual proficiency

French
Conversant proficiency

Thai
Basic proficiency