**MOE KYAW THU**

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**EDUCATION**

**Georgia Institute of Technology** Atlanta, GA, USA

Ph.D., School of Public Policy Expected 2027

Dissertation: *TBA*

Advisor: Gordan Kingsley

**Georgia Institute of Technology** Atlanta, GA, USA

Masters of Science in Computer Science (Residential Program) Expected 2025

College of Computing

Concentration: Machine Learning

**Georgia Institute of Technology** Atlanta, GA, USA

Masters of Science in Statistics Expected 2026

School of Industrial and Systems Engineering

Concentration: Machine Learning & Visual Analytics

**University of Tokyo** Tokyo, Japan

Masters of Public Policy, Graduate School of Public Policy September 2021

Dual Degree in Master of Public Policy with Hertie School

Certificate in Science, Technology, Innovation & Governance Program

Thesis: Agile Governance for Smart Cities

**Hertie School** Berlin, Germany

Masters of Public Policy September 2021

Dual Degree in Master of Public Policy with University of Tokyo

**Denison University** Granville, OH, USA

B.A, International Studies May 2018

Minor: History

Thesis: Political Economy of Development in Myanmar

**Danish Institute for Study Abroad** Copenhagen, Denmark

Study Abroad Semester December 2016

European Humanities Program

**INTERESTS**

Emerging Technologies, Smart City Governance, Science & Technology Policy, International Security, International Development, Risk Analysis

**RESEARCH EXPERIENCE**

**Georgia Institute of Technology** Atlanta, GA, USA

*Graduate Teaching Assistant* August 2023 – Present

*School of Public Policy*

* Facilitates weekly discussion sessions, providing in-depth explanations of complex statistical concepts and methods to assist PhD and Masters-level students in their coursework
* Holds regular office hours, offering one-on-one guidance on RStudio programming, and support to students, addressing their questions, clarifying doubts, and providing additional resources to aid their understanding of advanced statistical topics
* Grades RStudio homework assignments promptly and provided detailed feedback to students, fostering their growth and comprehension of statistical principles

**Georgia Institute of Technology** Atlanta, GA, USA

*Graduate Research Assistant* January 2023 – August 2023

*School of Civil and Environmental Engineering*

* Conducts a thorough academic and professional literature review to understand the state of knowledge and practice related to the implementation of emerging technologies in transportation infrastructure systems
* Synthesizes the results of archival and interview research into logic models documenting the flow of activities related to performance of O&M of an infrastructure asset across different contractual vehicles
* Aids in conducting structured interviews with contractual risk subject matter expertise from various backgrounds, including state department of transport officials, public-private partnership contracting agencies, developers, and utilities representatives
* Analyzes information gained through interviews and follow-up content analysis to identify best practices for rebalancing contractual risks in large design-build and P3 projects

**University of Tokyo – Institute of Future Initiatives** Tokyo, Japan

*Graduate Research Assistant* October 2020 – February 2022

* Conducted bibliometric analysis of 500-1000 scientific research papers on the utilization of artificial intelligence, using Stata software
* Collaborated in designing and implementing a Qualtrics survey to gather insights from artificial intelligence scientists and experts in domain sciences
* Produced an analytical report, outlining policy implications of artificial intelligence utilization in science research

**Denison University** Granville, OH, USA

*Youngs Scholar Summer Researcher* May 2017 – February 2022

*Department of International Studies*

* Conducted a comprehensive case study analyzing the intricate relationship between the political economy of Japanese popular culture and its influence on the country's soft power
* Authored a research paper, titled “Political Economy of Japanese Popular Culture”

**TEACHIING EXPERIENCE**

**Georgia Institute of Technology** Atlanta, GA, USA

*Graduate Teaching Assistant* August 2022 – December 2022

*School of Public Policy, Research Design and Methods*

* Graded student assignments, exams, and research projects to provide constructive feedback on statistical analysis techniques and research design
* Provided individualized support to students during office hours, clarifying complex statistical concepts and guiding them through data analysis in RStudio and Stata

**PROFESSIONAL EXPERIENCE**

**Asian Development Bank Institute** Tokyo, Japan

*Project Intern* July 2021 – September 2021

* Translated and visually presented 10 large-scale public datasets using Microsoft Excel and R Studio for an internal report publication
* Conducted market risk and analysis research on the energy industries in the Central Asia region, utilizing publicly available data from the World Bank and International Monetary Fund
* Provided crucial administrative support for the successful organization of 3 public events, meeting all required standards and objectives.

**Adelphi** Berlin, Germany

*Project Intern* June 2020 – September 2020

* Conducted research and analysis on smart mobility, energy, open data, and public-private collaboration models to provide policy and strategy support
* Contributed to the development of a policy guideline on smart city project implementation for internal and external stakeholders across the Baltic States
* Coordinated with stakeholders from the German Ministry of Environment to report monthly project progress and ensure alignment with project objectives

**Heinrich Boell Foundation Myanmar Office** Yangon, Myanmar

*Project Researcher* May 2019 – August 2019

* Orchestrated the "Coal-Powered Industries in Yangon" project seminar as the lead coordinator and manager
* Organized meetings with various stakeholders, including government officials, trade unions, and civil society organizations, to advocate for reforming coal-powered industries
* Generated monthly analytical reports on coal-energy intensive industries in Myanmar, detailing the status and progress of the advocacy effort

**Anthem Asia** Yangon, Myanmar

*ESG Executive Assistant* September 2018 – May 2019

* Worked alongside the legal counsel to formulate an internal and external grievance system aligned with International Finance Corporation's legal principles
* Curated and presented monthly reports to senior management and fund investors on the environmental, social, and governance progress of companies, with the assistance of editing
* Identified and tracked risks and regulatory demands concerning corporate governance in Myanmar

**PUBLICATIONS**

Thu MK, Beppu S, Yarime M, Shibayama S (2022) Role of machine and organizational structure in science. PLoS ONE 17(8): e0272280. <https://doi.org/10.1371/journal.pone.0272280>

**CONFERENCES**

“Artificial Intelligence in Scientific Activities: An Organizational Analysis of Research Teams”, 18th International Joseph A. Schumpeter Society Conference

**HONORS, AWARDS & GRANTS**

Honor Undergraduate Thesis (Grade of A- and above) 2018

Youngs Scholar Summer Research Grant, Denison University ($4,200) 2017

Dean’s List (GPA of 3.7 and above) 2017 & 2018

**SKILLS**

Microsoft Office • RStudio • Stata • Nvivo • ArcGIS • Tableau • Power BI • Qualtrics