

Dr. Tau Chia Cham

Doctorate in Civil and Structural Engineering

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SUMMARY OF QUALIFICATIONS

- Project management professional with 5+ years of experience in program coordination, stakeholder management, and delivering timely outcomes for diverse projects.
 - Experienced in synthesizing and communicating complex data and research, particularly within climate resiliency, flood risk assessment, and spatial data management.
 - Skilled in coordinating virtual and in-person events, managing diverse stakeholders, and driving outreach initiatives.
 - Fluent in English, Chinese, Malay, Japanese, with proficiency in French (beginner).
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PROFESSIONAL EXPERIENCE

Wetlands Program Advisor

Canada Wildlife Service, ECCC, Canada | Sept 2022 – Mar 2023

- Coordinated interorganizational collaboration with **four non-profit organizations** and **eight habitats and species coordinators** as part of the North American Waterfowl Management Plan.
- Managed grant planning and budgeting processes for projects up to **\$2.3M annually**; secured approval for **seven amendments and two new projects** in two quarters.
- Produced bilingual reports and distributed 150 copies within a month, enhancing outreach and program visibility.
- Supported program performance tracking and evaluation, managing timelines and deliverables to ensure successful project outcomes.

GIS Engineer

WorleyParsons, Singapore | Feb 2016 – Sept 2017

- Led a team of **13 drafters**, overseeing the completion of **2,800 sector map design drawings** within 18 months for the Town Gas Conversion Project.
- Facilitated communications in English and Japanese, aligning stakeholder objectives and supporting successful project delivery.
- Organized and led team meetings to keep track of project timelines and objectives, enhancing cross-functional collaboration and productivity.

Technical Staff

Kyushu University, Japan | Oct 2012 – Dec 2015

- Coordinated research projects on **flood risk management** and **GIS-based environmental protection**, supporting both technical and policy development aspects.
- Organized and led **30 GIS seminars** to train students and professionals on flood management and spatial analysis techniques. Contributed to program administration through regular data tracking and research management, meeting project milestones effectively.

Intern

United Nation ESCAP, South Korea | Mar 2014 – May 2014

- Developed maps and information summary for “Rason Migratory Bird Reserve: Birds and Habitats” publication.
- Coordinated meetings and facilitated communications, serving as an interpreter in Mandarin and English, and managing essential documentation.

Geographic Analyst II

NOKIA HERE, Singapore | Oct 2008 – Jul 2012

- Designed training materials and **conducted technical training classes (in-person/virtual)** for 105 employees across the Asia Pacific Region.
 - Coordinated with the Department of Survey and Mapping Malaysia to secure quarterly approvals for field data collection, achieving a **100% success rate over three years**.
 - Managed field data collection projects with strict adherence to quality standards, meeting deadlines, and achieving high client satisfaction.
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VOLUNTEER EXPERIENCE

Volunteer Coordinator

Helping With Furniture (HWF), Canada | Dec 2023 – Present

- Designed and implemented **volunteer journey maps** for registration and onboarding, streamlining processes for 200+ volunteers.
- Managed communication and event coordination, contributing to successful fundraising and appreciation events that supported key organizational goals.

Team Lead

Talk Climate To Me (TCTM), Canada | May 2024

- Facilitated **virtual breakout sessions** during climate workshops, providing materials and support for participants.
- Coordinated with team members to ensure seamless event execution, enhancing participant engagement and learning outcomes.

Researcher

Endangered Ecosystem Alliance (EEA), Canada | Nov 2023 – Jan 2024

- Conducted research on sustainability-related business news, ensuring up-to-date information on businesses in a master list. Completed 20% of total submissions as part of a six-member research team, enhancing data accuracy for environmental initiatives.

Photography Data Entry Volunteer

Nature Canada, Jul – Sep 2022 | May 2023 – Oct 2023

- Reviewed and logged contest entries, contributing to a high percentage of database management — logged 37% of submissions in the 2023 Nature Photo Contest.
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TECHNICAL SKILLS

Google Workspace
Microsoft Office: Word, Excel, PowerPoint, SharePoint, Access
Asana, Trello
Miro
ArcGIS
QGIS
Encompass
DHI MIKE: MIKE 11, MIKE 21, MIKE FLOOD
Autodesk: Autodesk Map 3D, Mapguide
MapInfo
Bison Atlas
Clarity
Figma

EDUCATION

Doctorate in Civil and Structural Engineering
Kyushu University, Japan (2015)

Master's in Hydrography
University of Technology Malaysia (2007)

Honours Bachelor of Science in Geoinformatics
University of Technology Malaysia (2003)