Visarut Huayshelake

44 Bang Jak, Muang Nakhon Si Thammarat, Nakhon Si Thammarat 80330

(+66) 64 082 9214 visarut.hu@gmail.com visarut-hu/

Ph.D. Student in applied mathematics with over four years of hands-on experience in numerical simulation of Computational Fluid Dynamics.

Education

Starting SEP 2025
Ph.D. Student in Applied Mathematics and Computational Science
Chulalongkorn University, Bangkok, Thailand

SEP 2022 – Expected SEP 2025
M.Sc. in Applied Mathematics and Computational Science
Chulalongkorn University, Bangkok, Thailand
Expected Graduation Date: September 2025
Thesis: Two-Dimensional Simulation of Contaminant Transport and Treatments in Groundwater System

OCT 2022 – AUG 2024
M.Sc. in Computational Mathematics (Double Degree Program With CU)
Kanazawa University, Ishikawa, Japan
Thesis: Lagrange-Galerkin Scheme for Groundwater Contaminant Models

JUL 2018 – APR 2022
B.Sc. in Computational Science (First Class Honors)
Walailak University, Nakhon Si Thammarat, Thailand
Project: Two-Dimensional Numerical Simulations of Pollution Diffusion from a Waste Dump

Teaching Experience

Summer of 2025
Basics in Calculus (TA)

- Advised incoming students on problem-solving strategies for university calculus.
- Provided feedback on student exercises to reinforce foundational concepts.

Second Semester of 2024
2301108: Calculus II (TA)

- Guided students to solve complex calculus problems.
- Led tutoring sessions to prepare students for midterm and final examinations.
- Graded weekly quizzes and provided feedback to support student learning and improvement.

Publication

Huayshelake, V., & Mekchay, K. (2025). Numerical Simulation of Contaminant in Transient Groundwater System. AMM 2025 Conference Proceedings, Thailand. (Accepted for publication)

Conferences

MAY 2025
Speaker on the topic of "Numerical Simulation of Contaminant in Transient Groundwater System"
at the 29th Annual Meeting in Mathematics
Organized by Department of Mathematics Srinakharinwirot University

DEC 2022
Speaker on the topic of "Sum of Products of Two Consecutive Primes"
at the 48th International Congress on Science, Technology and Technology-based Innovation
Organized by School of Science Walailak University

Language Skills

Thai: Native

English: Professional Working Proficiency (TOEFL ITP: 550)

Japanese: Elementary Proficiency (JLPT: N4)