

Visarut Huayshelake



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

Education

SEP 2025

Ph.D. Student in Applied Mathematics and Computational Science

Chulalongkorn University, Bangkok, Thailand

SEP 2022 – 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

First Semester of 2025

2301115: Calculus for Business I (TA)

- Graded weekly homework and provided feedback students.
- Led tutoring sessions to prepare students for midterm and final examinations.

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.

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)

Programming Skills

Proficient: C++, Python, MATLAB, Mathematica

Familiar with: C, R, SQL, HTML, Fortran