

Kunanon Burathep

(Ku-na-non Bu-ra-thep)
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EDUCATION

Durham University, Durham, United Kingdom October 2024 — (expected) March 2028

Ph.D., Computer Science

Supervisors: Prof. Thomas Erlebach and Asst. Prof. William Kumar Moses Jr.

Kasetsart University, Bangkok, Thailand

August 2020 — August 2022

M.Eng., Computer Engineering

GPA: 3.88

Advisor: Assoc. Prof. Jittat Fakcharoenphol

Kasetsart University, Bangkok, Thailand

August 2016 — April 2020

B.Eng., Computer Engineering

GPA: 3.23

EXPERIENCE

Durham University

Durham, United Kingdom

Demonstrator and Marking in Algorithms and Data structure

January 2025

Kasetsart University

Bangkok, Thailand

Teacher Assistant in Discrete Math, Data Structure and Algorithm, and Problem-solving Lab

2018 — 2022

Shanghai University of Finance and Economics

Shanghai, China

Internship at Institute for Theoretical Computer Science

June — August 2019

- Supervisor: Assoc. Prof. Bundit Laekhanukit

PUBLICATIONS

K. Burathep and J. Fakcharoenphol,

July 2022

“An Approximation Algorithm for the Vertex Multicut on Trees with an Application to the Tracking Paths Problem”, 2022 19th International Joint Conference on Computer Science and Software Engineering (JCSSE), 2022, pp. 1-5, DOI:10.1109/JCSSE54890.2022.9836254.

K. Burathep J. Fakcharoenphol and N. Wongwattanakij,

December 2020

“Approximating k-Connected m-Dominating Sets in Disk Graphs”, 2020 24th International Computer Science and Engineering Conference (ICSEC), 2020, pp. 1-7, DOI: 10.1109/ICSEC51790.2020.9375178.

RESEARCH INTEREST

- Learning-augmented Online Algorithms
 - Matching Problems
- Approximation Algorithms
 - Graph Connectivity Problems