

Naphat Keawpibal

📍 657/4 Sri Wa Na housing estate, Kanjanavanich Rd., Pawong, Songkhla, Thailand

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♂ Male | 🗓 29 November 1987

Nationality: Thai | Religion: Buddhism | Marital status: Single

Objective

To pursue a meaningful career that gives scope to enhance my knowledge, skills and to reach the pinnacle in the computer teaching and research field with sheer determination, dedication and hard work.

Education

Prince of Songkla University

Ph.D. in COMPUTER SCIENCE (INTERNATIONAL)

Thesis: HyBiX: Hybrid Encoding Bitmap Index for Efficient Space and Query Processing Time

Songkhla, Thailand

📅 Aug 2014 - present

Prince of Songkla University

M.Sc. in COMPUTER SCIENCE

Thesis: Improved Query Efficiency to Encoded Bitmap Index using Data Clustering

Songkhla, Thailand

📅 May 2010 - Apr 2012

Prince of Songkla University

B.Sc. in COMPUTER SCIENCE (FIRST CLASS HONOR)

Project: Durable Articles Database Management System

Songkhla, Thailand

📅 May 2006 - Mar 2010

Working experience

2fellows network and design Co., Ltd. (Freelance)

System Analysts

Bangkok, Thailand

📅 Dec 2018 - Jan 2019

- Analyzed the content management system (CMS) and franchise management system.
- Presented an information of data processes by Data Flow Diagram (DFD).
- Presented user's interaction with the system by Use case Diagram.

Account Channels (Public) Co., Ltd. (Freelance)

Web developer (<https://e-accountdigital.com/aonline>)

Bangkok, Thailand

📅 Oct 2018 - Jan 2019

- Analyzed and designed the module of company registration for both front- and back-end website.
- Developed the web with Bootstrap library, PHP language, and JQuery framework.

Department of Computer Science, Prince of Songkla University

12th TOI web developer

Songkhla, Thailand

📅 Mar 2016 - May 2016

- Designed the TOI 2016 (Thailand Olympiad in Informatics 2016) website.
- Developed the website by Python language with JQuery framework.
- Implemented the web application for both front- and back-end website.

Department of Information Technology Business, Prince of Songkla University

Lecturer

Suratthani, Thailand

📅 May 2013 - Oct 2013

- Had duty in teaching undergraduate students.
- Was responsible for teaching in the courses, including the fundamental of computer sciences and computer graphics.

Department of Computer Science, Suratthani Rajabhat University

Lecturer

Suratthani, Thailand

📅 May 2012 - Apr 2013

- Had duty in teaching undergraduate students.
- Was responsible for teaching in the courses, including the fundamental of computer sciences, computer applications, and database systems.
- Helped run activities and was a part of an academic service to a local school.

Research interests

Information Retrieval

Internet of Things

Big Data

Data Sciences

Database Systems

Hadoop

Distributed & Parallel Computing

Teachable subjects

Database Systems

Analysis & Design of Algorithms

Data Structures

Data Sciences

Information Analysis & Retrieval

Web Programming

Contemporary Computer Programming

Computer & Applications

Publications

Peer-review journal

- Naphat Keawpibal, Ladda Preechaveerakul, and Sirirut Vanichayobon. HyBiX: A Novel Encoding Bitmap Index for Space- and Time-efficient Query Processing (Submitted revised manuscript). In: *Turkish Journal of Electrical Engineering & Computer Sciences* (2019).
- — Optimizing Range Query Processing for Dual Bitmap Index. In: *Walailak Journal of Science and Technology (WJST)* Vol. 16. No. 2 (2019), pp. 133–142.

Proceedings/conferences

- Naphat Keawpibal, Jaruree Duangsuwan, Wiphada Wettayaprasit, Ladda Preechaveerakul, and Sirirut Vanichayobon. DistEQ: Distributed Equality Query Processing on Encoded Bitmap Index. In: *The 2015 12th International Joint Conference on Computer Science and Software Engineering, (JCSSE)*. Songkhla, Thailand: IEEE, 2015, pp. 309–314.
- Amorntep Keawpibal, Niwan Wattanakitrungroj, and Sirirut Vanichayobon. Enhanced Encoded Bitmap Index for Equality Query. In: *The 2012 8th International Conference on Computing Technology and Information Management (NCM and ICNIT)*. Seoul, South Korea: IEEE, 2012, pp. 293–298.

Adaptive skills

Communication

Schedule management

Teamwork

Ability to work under pressure conditions

Problem solving

Hard-working

Programming language

C

Python

Java

JavaScript

SCSS

HTML5

PHP

SQL

English language

Listening

Speaking

Reading

Writing

References

Assistant Prof. Dr. Sirirut Vanichayobon

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Prince of Songkla University, Hat Yai, Songkhla, Thailand

Assistant Prof. Dr. Ladda Preechaveerakul

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