

Itsara Wichakam
Department of Computer Engineering
Faculty of Engineering, Chulalongkorn University
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EDUCATION

Master of Science in Computer Science

Expected July 2018

Chulalongkorn University, Bangkok, Thailand

Thesis: Breast Cancer Detection in Tomosynthesis Imaging using Deep Convolutional Network

Advisor: Dr. Peerapon Vateekul, Dr. Jatuporn Chayakulkheeree

Bachelor of Science in Computer Science

June 2013

Sripatum University, Bangkok, Thailand

Project: Thailand Stock Analysis

Advisor: Dr. Thana Sukvaree

RESEARCH EXPERIENCE

Intern

July-December 2016

RadboudUMC, Nijmegen, the Netherlands

Project: Automated detection of microcalcifications in digital breast tomosynthesis

Supervisor: Dr. Albert Gubern-Merida, Prof. Nico Karssemeijer

Intern

March-May 2013

NECTEC, Pathumthani, Thailand

Project: Rate-adaptive LDPC codes for quantum key distribution

Supervisor: Dr. Keattisak Sripimanwat, Paramin Sangwongngam, Patcharapong Treeviriyapab

TEACHING EXPERIENCE

Teaching Assistant

International School of Engineering, Chulalongkorn University

Database Systems Laboratory

Database Systems Laboratory

January 2018-present

January-May 2017

Teaching Assistant

Department of Computer Engineering, Chulalongkorn University

Data Science

Operating Systems and System Programs

Computer Programming

Programming Methodology 1

March 2018-present

August-December 2017

January-May 2016

August-December 2015

Undergraduate Mentor

March 2018-present

Department of Computer Engineering, Chulalongkorn University

Individual Study in Data Analytics

PROFESSIONAL EXPERIENCE

Conference Secretariat

November 2017

The 24th International Conference on Multimedia Modeling (MMM 2018)

SCHOLARSHIPS

Graduate School, Chulalongkorn University	
Overseas Research Experience Scholarship	2016
Domestic Academic Presentation Scholarship	2016
Teaching Assistant Scholarship	August 2015-May 2016
International School of Engineering, Chulalongkorn University	
Teaching Assistant Scholarship	January 2018-present
Teaching Assistant Scholarship	January-May 2017
Department of Computer Engineering, Chulalongkorn University	
Teaching Assistant Scholarship	August-December 2017

PUBLICATIONS

1. **I. Wichakam**, J. Chayakulkheeree, P. Vateekul, **Deep Multi-label 3D ConvNet for Breast Cancer Diagnosis in DBT with Inversion Augmentation**. ICDIP 2018. Shanghai, China. (accepted for oral presentation)
2. **Wichakam I.**, Panboonyuen T., Udomcharoenchaikit C., Vateekul P. (2018) **Real-Time Polyps Segmentation for Colonoscopy Video Frames Using Compressed Fully Convolutional Network**. In: Schoeffmann K. et al. (eds) MultiMedia Modeling. MMM 2018. Lecture Notes in Computer Science, vol 10704. Springer, Cham
3. **I. Wichakam** and P. Vateekul, "**Combining deep convolutional networks and SVMs for mass detection on digital mammograms**," *2016 8th International Conference on Knowledge and Smart Technology (KST)*, Chiangmai, 2016, pp. 239-244.
4. **I. Wichakam** and P. Vateekul, "**An evaluation of feature extraction in EEG-based emotion prediction with support vector machines**," *2014 11th International Joint Conference on Computer Science and Software Engineering (JCSSE)*, Chon Buri, 2014, pp. 106-110.

CONFERENCE PRESENTATIONS

Oral Presentation

1. **Real-Time Polyps Segmentation for Colonoscopy Video Frames Using Compressed Fully Convolutional Network**. MMM 2018. Bangkok, Thailand. (February, 2018).
2. **Combining Deep convolutional networks and SVMs for mass detection on digital mammograms**. KST. Chiangmai, Thailand. (February, 2016).
3. **An evaluation of feature extraction in EEG-based emotion prediction with support vector machines**. JCSSE. Chon Buri, Thailand. (May, 2014)