CHAIYONG RAGKHITWETSAGUL

Faculty of Information and Communication Technology
Mahidol University, Nakhon Pathom, Thailand
Email: chaiyong.rag@mahidol.ac.th, cragkhit@gmail.com
Personal Website: http://cragkhit.github.io

PERSONAL PROFILE

I am a lecturer at the Faculty of Information and Communication Technology, Mahidol University in Thailand. I was a PhD student under the supervision of Dr. Jens Krinke and Dr. David Clark in the Centre for Research on Evolution, Search and Testing (CREST), Department of Computer Science, University College London, and successfully defended my thesis on 30 August 2018.

PUBLICATIONS

C. Ragkhitwetsagul, J. Krinke. Siamese: Scalable and Incremental Code Clone Search via Multiple Code Representations. Empirical Software Engineering (EMSE), 2019.

C. Ragkhitwetsagul, J. Krinke, M. Paixao, G. Bianco, R. Oliveto, *Toxic Code Snippets on Stack Overflow*, IEEE Transactions on Software Engineering, 2019.

J. Wilkie , Z. Al Halabi , A. Karaoglu , J. Liao , G. Ndungu, C. Ragkhitwetsagul, M. Paixão , J. Krinke (2018). *Who's this? Developer identification using IDE event data.* In the 15th International Conference on Mining Software Repositories – Mining Challenge (MSR 2018), 2018. Gothenburg, Sweden

C. Ragkhitwetsagul, J. Krinke (2018). *A picture is worth a thousand words: code clone detection based on image similarity.* In the 12th International Workshop on Software Clones (IWSC 2018), 2018. Campobasso, Italy – The People's Choice Award

C. Ragkhitwetsagul, J. Krinke, R. Oliveto (2017). *Awareness and Experience of Developers to Outdated and License-Violating Code on Stack Overflow: An Online Survey.* UCL Computer Science Research Note (RN/17/10), 2017.

C. Ragkhitwetsagul, J. Krinke, D.Clark (2017). *A Comparison of Code Similarity Analysers.* Empirical Software Engineering, https://doi.org/10.1007/s10664-017-9564-7, 2017.

M. Paixao, J. Krinke, D. Han, C. Ragkhitwetsagul and M. Harman (2017). *Are Developers Aware of the Architectural Impact of Their Changes?.* In the 32nd IEEE/ACM International Conference on Automated Software Engineering (ASE 2017), 2017. Illinois, USA

C. Ragkhitwetsagul, J. Krinke (2017). *Using Compilation/Decompilation to Enhance Clone Detection.* In 11th International Workshop on Software Clones, 2017. Klagenfurt, Austria – The People's Choice Award

C. Ragkhitwetsagul, M. Paixao, M. Adham, S. Busari, J. Krinke, and J. H. Drake (2016). *Searching for Configurations in Clone Evaluation: A Replication Study.* In 8th International Symposium on Search-based Software Engineering (SSBSE): Challenge Track, 2016. Raleigh, NC, USA. (NSF Student Travel Support)

C. Ragkhitwetsagul, J. Krinke, D. Clark (2016). *Similarity of Source Code in the Presence of Pervasive Modifications.* In 16th IEEE International Working Conference on Source Code Analysis and Manipulation (SCAM), 2016. Raleigh, NC, USA.

C. Ragkhitwetsagul (2016). *Measuring Code Similarity in Large-scaled Code Corpora.* In 32nd International Conference on Software Maintenance and Evolution (ICSME): Doctoral Symposium, 2016. Raleigh, NC, USA.

P. Janviriya, T. Ongarjithichai, P. Numruktrakul, C. Ragkhitwetsagul. (2014). *Cloudy-Days : Cloud Storage Integration System.* In ICT-ISPC 2014 (pp. 125-128). Nakhon-pathom, Thailand.

P. Hathaiwichian, L. Siriwittayacharoen, A. Wongwachirawanich, C. Ragkhitwetsagul (2014). *Android Application for Event Management and Information Propagation.* In ICT-ISPC 2014 (pp. 139-142). Nakhonpathom, Thailand.

EDUCATION	**2014 − 2018, PhD**

PhD in Computer Science
University College London, UK
Research topic: Code similarity and clone search in large-scale source code data
Supervisors: Dr. Jens Krinke, Dr. David Clark
Research interest: code clone/plagiarism detection, code similarity, mining of software repositories, search-based software engineering

2007 − 2008, Master
Master of Science in IT − Very Large Information Systems
Carnegie Mellon University, USA
Capstone project: Honeydew – Meeting date prediction using machine learning

2002 − 2005, Undergraduate
Bachelor Degree in Computer Engineering (Magna cum Laude)
Kasetsart University, Thailand

AWARDS

Industry Academia Partnership Programme 18-19 (13,345 GBP)	2019
Royal Academy of Engineering, UK (Newton Fund)	

Automated Software Engineering for Thailand Software Industry

Amazon AWS Credits for Research (20,000 USD)	2018
Code Clone Search as a Web Service	

The People's Choice Award	2018

A picture is worth a thousand words: code clone detection based on image similarity
IWSC 2018. Campobasso, Italy.

The People's Choice Award	2017

Using Compilation/Decompilation to Enhance Clone Detection
IWSC 2017. Klagenfurt, Austria.

NSF Student Travel Support (700 USD)	2016

SSBSE 2016. Raleigh, NC, USA.

Microsoft Azure Research Award (20,000 USD)	2016

ISiCS: Internet-scaled Similar Code Search project

Full PhD scholarship	2014 -2018

Mahidol University Academic Development Scholarship
& Faculty of ICT, Mahidol University Scholarship

Best Project Award: 15-637 Web App Development,	2008
Carnegie Mellon University	

WhimsyWord: multi-player online hangman game

Full Master degree scholarship	2007 - 2008

The Royal Thai Government scholarship

Winner of the 8th National Software Contest of Thailand (NSC)	2006

Category – Software for Entertainment
Sword Edge: virtual reality fighting game

DTAC & NOKIA i-Awards mobile app contest: finalists   2005
Interactive e-cards mobile application

EXPERIENCE

Research Student   Sep 2014 – Sep 2018
**Centre for Research on Evolution, Search and Testing (CREST),
Software Systems Engineering (SSE) group,
Department of Computer Science, University College London**
Conducting research in code similarity, code reuse, code clone/plagiarism detection, and search-based software engineering

Research Intern   May 2017 – Jul 2018
Prodo.ai, London
Conducting research in deep learning for code clone detection

Assistant Instructor   Dec 2012 – Sep 2014
Faculty of ICT, Mahidol University, Nakhonpathom, Thailand
Lectured Fundamentals of Programming, OOP, DBMS, Knowledge-based Systems, and Mobile App Development.
Advised three undergraduate student projects.

Consultant   Nov 2011 - Sep 2014
Blaccess Thailand
Made key decisions and providing company's vision.
Planned and managed IT projects and staffs.

System Analyst   Jan 2009 - Nov 2012
National Economic and Social Development Board, Thailand
Planned, maintained, and developed NESDB IT services (e.g. email systems, web applications, DBMS).
Administrated NESDB applications and computer networks.

Teacher   Feb 2010 - Dec 2012
ProGaming, Thailand
Instructed Pro Android course on developing Android applications.
Instructed Pro iOS course on developing iOS applications.

Developer   Jan 2009 - Dec 2012
Kasetsart University, Thailand
Developed a digital repository, and training/project tracking system for Puparn Royal Development Study Center.

Intern   Mar 2008 - Aug 2008
Oracle, USA
Developed of a new version of Oracle's internal testing platform, Distributed Testing System (DTS) 2.0, using Java web technology and Javascript.

Software Test Engineer   Feb 2006 - Apr 2007
Microsoft, Thailand
Created automated test tools for testing localized versions of Windows Vista User Assistance Platform.
Tested user assistance (UA) contents in XML format.

PROFESSIONAL Program Committee: IWSC 2019, ICPC 2019, ICSME 2019   2019
ACTIVITIES   Publicity Chair: IWSC 2018   Mar 2018
                   Reviewer: EMSE (2019), IEEE Access (2019), ESWA (2018), JSS (Nov 2017), IET
                   (Oct 2017), STVR (Apr 2017), PeerJ Computer Science (May 2016)
                   Subreviewer: ICSE '18, MSR '18, REVE'17, ICSME'17, MSR'17, IWSC'17, SANER'17,
                   SCAM'16, SCAM'15

REFERENCES   References upon request.