CHAIYONG RAGKHITWETSAGUL

CREST, Department of Computer Science
University College London, Gower Street, London, UK
chaiyong.ragkhitwetsagul.14@ucl.ac.uk
cragkhit.github.io

PERSONAL PROFILE

I am currently a 4th-year PhD student in the Centre for Research on Evolution, Search and Testing (CREST), Department of Computer Science, University College London. I am also an assistant instructor at the Faculty of ICT, Mahidol University who is the main sponsor for my PhD study.

CURRENT PROJECTS

CloneNets: Detecting code clones in JavaScript using recurrent neural networks.

Cloverflow: An empirical study of toxic code snippets on Stack Overflow

PUBLICATIONS

J. Wilkie , Z. Al Halabi , A. Karaoglu , J. Liao , G. Ndungu, C. Ragkhitwetsagul, M. Paixo , 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 Awareness and Experience of Developers to Outdated and License-Violating Code on Stack Overflow: An Online Survey.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 – Present, PhD
PhD in Computer Science
University College London, UK
Research topic: Online code cloning
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

The People's Choice Award *A picture is worth a thousand words: code clone detection based on image similarity* *IWSC 2018. Campobasso, Italy.*	2018
The People's Choice Award *Using Compilation/Decompilation to Enhance Clone Detection* *IWSC 2017. Klagenfurt, Austria.*	2017
NSF Student Travel Support (700 USD) *SSBSE 2016. Raleigh, NC, USA.*	2016
Microsoft Azure Research Award (20,000 USD) *ISiCS: Internet-scaled Similar Code Search project*	2016
Full PhD scholarship *Mahidol University Academic Development Scholarship* *& Faculty of ICT, Mahidol University Scholarship*	2014 -2018
Best Project Award: 15-637 Web App Development, Carnegie Mellon University *WhimsyWord: multi-player online hangman game*	2008
Full Master degree scholarship *The Royal Thai Government scholarship*	2007 - 2008
Winner of the 8th National Software Contest of Thailand (NSC) Category – Software for Entertainment *Sword Edge: virtual reality fighting game*	2006
DTAC & NOKIA i-Awards mobile app contest: finalists *Interactive e-cards mobile application*	2005

EXPERIENCE	*Research Student*	Sep 2014 – Present

EXPERIENCE

Research Student — Sep 2014 – Present
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

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.

SKILLS

Platforms: macOS, Linux, Windows, Raspberry Pi, iOS, Android
Programming languages: Python, Shell scripts, Java, C/C++, Obj-C, SQL

PROFESSIONAL ACTIVITIES

Publicity Chair: IWSC 2018 — Mar 2018
Reviewer: JSS (Nov 2017), IET (Oct 2017), STVR (Apr 2017), PeerJ Computer Science (May 2016)
Subreviewer: MSR '18, REVE'17, ICSME'17, MSR'17, IWSC'17, SANER'17, SCAM'16, SCAM'15

REFERENCES

References upon request.