

CHAIYONG RAGKHITWETSAGUL

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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

Detecting code clones in JavaScript using recurrent neural networks.
Siamese: A scalable clone search engine
Cloverflow: An empirical study of toxic code snippets on Stack Overflow

PUBLICATIONS

- C. Ragkhitswetsagul, 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 Awareness and Experience of Developers to Outdated and License-Violating Code on Stack Overflow: An Online Survey.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. Ragkhitswetsagul, J. Krinke, D. Clark (2017). A Comparison of Code Similarity Analysers. Empirical Software Engineering, To Appear, 2017.
- M. Paixao, J. Krinke, D. Han, C. Ragkhitswetsagul 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), Illinois, USA ;To Appear;
- C. Ragkhitswetsagul, J. Krinke (2017). Using Compilation/Decompilation to Enhance Clone Detection. In 11th International Workshop on Software Clones, 2017. Klagenfurt, Austria, To Appear – The People’s Choice Award
- C. Ragkhitswetsagul, 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. Ragkhitswetsagul, 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. Ragkhitswetsagul (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. Ragkhitswetsagul. (2014). *Cloudy-Days : Cloud Storage Integration System*. In ICT-ISPC 2014 (pp. 125-128). Nakhonpathom, Thailand.
- P. Hathaiwichian, L. Siri Wittayacharoen, A. Wongwachirawanich, C. Ragkhitswetsagul (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 <i>Using Compilation/Decompilation to Enhance Clone Detection</i> <i>IWSC 2017. Klagenfurt, Austria.</i>	2017
	NSF Student Travel Support (700 USD) <i>SSBSE 2016. Raleigh, NC, USA.</i>	2016
	Microsoft Azure Research Award (20,000 USD) <i>ISiCS: Internet-scaled Similar Code Search project</i>	2016
	Full PhD scholarship <i>Mahidol University Academic Development Scholarship</i> <i>& Faculty of ICT, Mahidol University Scholarship</i>	2014 -2018
	Best Project Award: 15-637 Web App Development, Carnegie Mellon University <i>WhimsyWord: multi-player online hangman game</i>	2008
	Full Master degree scholarship <i>The Royal Thai Government scholarship</i>	2007 - 2008
	Winner of the 8th National Software Contest of Thailand (NSC) Category – Software for Entertainment <i>Sword Edge: virtual reality fighting game</i>	2006
	DTAC & NOKIA i-Awards mobile app contest: finalists <i>Interactive e-cards mobile application</i>	2005
EXPERIENCE	Research Student 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	Sep 2014 – Present
	Assistant Instructor 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.	Dec 2012 – Sep 2014

<p><i>Consultant</i> Blaccess Thailand Made key decisions and providing company's vision. Planned and managed IT projects and staffs.</p>	<p>Nov 2011 - Sep 2014</p>
<p><i>System Analyst</i> 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.</p>	<p>Jan 2009 - Nov 2012</p>
<p><i>Teacher</i> ProGaming, Thailand Instructed Pro Android course on developing Android applications. Instructed Pro iOS course on developing iOS applications.</p>	<p>Feb 2010 - Dec 2012</p>
<p><i>Developer</i> Kasetsart University, Thailand Developed a digital repository, and training/project tracking system for Puparn Royal Development Study Center.</p>	<p>Jan 2009 - Dec 2012</p>
<p><i>Intern</i> 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.</p>	<p>Mar 2008 - Aug 2008</p>
<p><i>Software Test Engineer</i> Microsoft, Thailand Created automated test tools for testing localized versions of Windows Vista User Assistance Platform. Tested user assistance (UA) contents in XML format.</p>	<p>Feb 2006 - Apr 2007</p>

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

PROFESSIONAL	Publicity Chair: IWSC 2018	Mar 2018
ACTIVITIES	Reviewer: JSS	Nov 2017
	Reviewer: IET	Oct 2017
	Subreviewer: REVE'17	Jun 2017
	Reviewer: STVR	Arp 2017
	Subreviewer: ICSME'17	Apr 2017
	Subreviewer: MSR'17	Feb 2017
	Subreviewer: IWSC'17	Dec 2016
	Subreviewer: SANER'17	Oct 2016
	Subreviewer: SCAM'16	Jul 2016
	Reviewer: PeerJ Computer Science	May 2016
	Subreviewer: SCAM'15	Jul 2015

REFERENCES References upon request.