Chaiyong Ragkhiwetsagul
Research Student
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About me I am currently a 3rd year PhD student in Centre for Research on Evolution, Search and Testing (CREST), department of Computer Science at University College London. I am supervised by Dr. Jens Krinke and Dr. David Clark.

I am also an assistant instructor at the Faculty of ICT, Mahidol University who is the main sponsor for my PhD study.

I received a bachelor degree in Computer Engineering from Kasetsart University, Thailand and a master degree in MSIT–Very Large Information Systems (currently called Master of Computational Data Science) from Carnegie Mellon University, USA.

Current Projects

- **ISiCS**: Internet-scaled similar code search.
- **Cloverflow**: A study of outdated code and license violation of reused code snippets between Stack Overflow and open source projects.
- **CloPlag**: A comparison of code similarity analysers.

Publications

C. Ragkhitwetsagul, J. Krinke, D.Clark (2017). **A Comparison of Code Similarity Analysers.** UCL CS Research Notes No. RN/17/04, 2017. University College London, UK

C. Ragkhitwetsagul, 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 Winner)**

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. NC, USA. — **(The 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. 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. NC, USA.

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

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

Education

2014 - present, PhD
MPhil/PhD in Computer Science
University College London, UK
Research topic: Code Similarity and Its Applications to Internet-scale Code Cloning Supervisors: Dr. Jens Krinke, Dr. David Clark
Research interest: clone detection, source code plagiarism detection, code similarity, mining of software repository, SBSE

2007 - 2008, Master
MSIT - Very Large Information Systems
Carnegie Mellon University, USA
Capstone project: Honeydew: Predicting meeting date using machine learning algorithm

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

Achievements/Awards

2017   The People's Choice Award for
       Using Compilation/Decompilation to Enhance Clone Detection
       at IWSC 2017. Klagenfurt, Austria.
2016   NSF Student Travel Support (700 USD) for SSBSE 2016. Raleigh, NC, USA.
2016   Microsoft Azure Research Award ($20,000 cloud computing) for the ISiCS: Internet-scaled Similar Code Search project
2014   Mahidol Universitys Academic Development Scholarship
2014   Faculty of ICT, Mahidol University PhD scholarship
2008   Best Project Award: 15-637 Web App Development, CMU, 2008
2007   The Royal Thai Government scholarship
2006   National Software Contest of Thailand (NSC): Winner in software for entertainment category
2005   DTAC & NOKIA i-Awards mobile app contest: finalists

Experience

Sep 2014 - Present, Research Student (PhD candidate)
Department of Computer Science, University College London
A member of Centre for Research on Evolution, Search and Testing (CREST) under Software Systems Engineering (SSE) group.

Dec 2012 - Sep 2014, Assistant Instructor

Faculty of ICT, Mahidol University, Nakhonpathom, Thailand

A lecturer of Fundamentals of Programming, OOP, DBMS, Knowledge-based Systems, Android App Development.

A researcher in Mahidol University Electronic Research Information System (MU eRIS) project, and advising 3 undergraduate senior projects.

Nov 2011 - Sep 2014, Consultant

Blaccess Thailand

Making key decisions and providing company's vision.

Planning and managing IT projects and staffs.

Jan 2009 - Nov 2012, System Analyst

National Economic and Social Development Board, Thailand

Planning, migrating, and developing new NESDB IT services (email system, web applications, databases, and networks).

IT consultant and network administrator.

Feb 2010 - Dec 2012, Teacher

ProGaming, Thailand

Instructing the Pro Android course focusing on how to develop an Android application.

Instructing the Pro iOS course focusing on how to develop an iOS application.

Jan 2009 - Dec 2012, Research Assistant

Kasetsart University, Thailand

Developing a digital repository, training and project tracking system for Puparn Royal Development Study Center.

Mar 2008 - Aug 2008, Intern

Oracle, USA

Developing a new version of testing platform called Distributed Testing System (DTS) using Java Servlet, JSP, and Javascript.

Feb 2006 - Apr 2007, Software Test Engineer

Microsoft, Thailand

Creating automated test tools for testing localized versions of Windows Vista User Assistance Platform.

Testing user assistance (UA) contents in XML format.

Skills

Platforms

- Mac
- Linux
- Windows
- Raspberry Pi
- iOS
- Android

Computer programming

- Java
- C/C++
- Obj-C
- .Net
- HTML
- PHP
- SQL

References

References upon request.