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# Chaoyong Ragkhitwetsagul

## Research Student

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**About me** I am currently a 2nd year MPhil/PhD student in Centre for Research on Evolution, Search and Testing (CREST), department of Computer Science at 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.

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, PA, USA

## Current Projects

Internet-scaled similar code search

A study of similarity of source code in the presence of pervasive modifications

Online source code reuse: a case study of Stackoverflow vs. Qualitas OSS  
Searching for Configurations in Clone Evaluation

## Education

### 2014 - present, PhD

#### MPhil/PhD in Computer Science

University College London, UK

Research topic: Large-Scale Source Code Plagiarism Detection

Supervisors: Dr. Jens Krinke, Dr. David Clark

Research interest: clone detection, source code plagiarism detection, code similarity, mining of software repository

### 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

## Experience

### Sep 2014 - Present, Research Student (MPhil/PhD)

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 (NESDB), 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, course and training management system, 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.

## **Achievements/Awards**

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: The winner of the National Software Contest of Thailand (NSC2006) in Entertainment category

2005: A finalist in DTAC & NOKIA i-Awards mobile app contest

## Publications

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

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

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

## Skills

### Platforms

- Mac
- Linux
- Windows
- Raspberry Pi

### Computer programming

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

## References

References upon request.