Mohd Zulkifli **Mohd Zaki** M.Sc.

Computer Scientist · Software Engineer

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Education

M.Sc. (Universiti Teknologi Malaysia)
M.Sc. in Computer Science. Dissertation: Integrated Component-Based Model and Code Generation Implementation Steps for Embedded Real-Time System
Johor Bahru, MALAYSIA
2009 – 2012

B.Sc. (Universiti Teknologi Malaysia)
B.Sc. in Computer Science. Dissertation: Study the Usage of Unified Modeling Language (UML) in Real-Time System Application Development using Component-Based Software Engineering (CBSE)
Johor Bahru, MALAYSIA
Sept 2005 – May 2008

Language

MALAY	Native Proficiency	***Certificate***	*Malaysian General Education Certificate (A1)*
ENGLISH	Professional Proficiency	***Certificate***	*IELTS for Academic (Band 7)*
GERMAN	Intermediate Proficiency	***Certificate***	*Germany CEFR Level B1*

Experience

Informatik 11 RWTH Aachen University
Research Assistance/Wissenschaftler Mitarbeiter
Aachen, GERMANY
July 2014 – PRESENT

Universiti Sains Malaysia
RLKA Academic Fellow
Penang, MALAYSIA
June 2014 – PRESENT

Universiti Teknologi Malaysia
Academic Tutor
Johor Bahru, MALAYSIA
2009 – 2014

Universiti Teknologi Malaysia
Assistant Research Officer
Johor Bahru, MALAYSIA
2008 – 2009

ANR Research Sdn. Bhd.
Junior Software Engineer (Intern)
Skudai, MALAYSIA
2007 – 2007

Honour & Award

2014	Malaysia Higher Education Academic Scholarship Award	*Kuala Lumpur, MALAYSIA*
2013	MySEC2013 Best Paper Award	*Malacca, MALAYSIA*
	PECIPTA2013 Silver Medal Award	*Kuala Lumpur, MALAYSIA*
2012	INATEX2012 Gold Award	*Johor Bahru, MALAYSIA*
2008	Terengganu Best Graduates Academic Award	*Terengganu, MALAYSIA*
	SCOReD2008 Best Poster Award	*Johor Bahru, MALAYSIA*
	First Class Honour Merit Award UTM Convocation Ceremony	*Johor Bahru, MALAYSIA*
	Best Academic Award UTM Convocation Ceremony	*Johor Bahru, MALAYSIA*

Intellectual Property

COPYRIGHT	Code Generation Implementation Steps for Embedded Real-Time System Development	*Johor Bahru, MALAYSIA* 2013

Professional Membership

MEMBER	Malaysian Software Engineering Interest Group (MySEIG)	*MALAYSIA*
MEMBER	Universiti Teknologi Malaysia Alumni Society (No.: 2670)	*MALAYSIA*
MEMBER	International Association of Engineers (IAENG) (No:128951)	*INTERNATIONAL*

Publication

2016	**Mohd Z.M. Zaki**, Dayang N.A. Jawawi and Mohd Adham Isa. *Integrated MARTE-based Model for Designing Component-Based Embedded Real-Time Software*. International Journal of Software Engineering and Its Application, Vol.9, No.3, pp.157-174.	*Scopus* **JOURNAL**
2013	**Mohd Z.M. Zaki**, Dayang N.A. Jawawi, Norazian M. Hamdan, Shahliza Abd. Halim, Rosbi Mamat, Fairuz S. Mahat and Nur Athirah Omar. *Multi-Criteria Architecture Style Selection for Precision Farming Software Product Lines using Fuzzy AHP*. International Journal of Advances in Software Computing and Its Application, Vol.5, No.3, pp.1-23.	*Scopus* **JOURNAL**
2011	**Mohd Z.M. Zaki**, M.A. Isa and Dayang N.A. Jawawi. *Meta-model Validation of Integrated MARTE and Component-Based Methodology Component Model for Embedded Real-Time Software*. Communications in Computer and Information Science, Vol.181, Software Engineering and Computer Systems. Part 1, pp. 246-256.	*ISI Scopus* **CHAPTER**
	Mohd Z. M. Zaki and Dayang Norhayati Abang Jawawi. *Model-Based Methodology for Implementing MARTE in Embedded Real-Time Software*. 2011 IEEE Symposium on Computers&Informatics (ISCI2011), Kuala Lumpur, 20-22 Mac 2011, pp.536-541	*Proceeding* **CONFERENCE**
2008	**Mohd Zulkifli Mohd Zaki**, Dayang Norhayati Abang Jawawi, Mohd Syahid Yasin, Mohd Khairul Rashid Khairuddin, Mohd Hafizuddin Mazlan and Rosbi Mamat. *A Small Robot for Teaching Embedded Real-Time Programming*. Regional Student Conference on Research Development (SCOReD2008), Skudai, Nov 2008.	*Proceeding* **CONFERENCE**
	Mohd Zulkifli Mohd Zaki and Dayang Norhayati Abang Jawawi. *A Component-Based Development Approach for Embedded Real-Time Systems*. The 4th Malaysia Software Engineering Conference (MySEC'08), Terengganu,16-17 Dec 2008.	*Proceeding* **CONFERENCE**

Project & Grant

MEMBER	An Analytical Model for Reliability Estimation using Integrated Tasks and Resources, MoE FRGS Research Grant	***MALAYSIA*** 2013 – 2015
MEMBER	Component-based Software Engineering Approach for Automated Embedded Precision Farming Systems, MOSTI eScience Research Grant	***MALAYSIA*** 2013 – 2015

Contribution

MEMBER	UTM Faculty of Computing FYE Programme Team	***2010-2014***
MEMBER	UTM Faculty of Computing Web Management Team	***2009-2012***
MEMBER	UTM RoboKar Programming Fest Organizing Committee	***2013-2014***
REVIEWER	The 7th MySEC2013	***2013***
MEMBER	The 7th MySEC 2013 Programme Committee	***2013***
INSTRUCTOR	iCARE Workshop: Problem Solving using RoboKar Programming	***2013***
MEMBER	UTM Innovation and Creativity Festival Organizing Committee	***2012***

Referees

Prof. Dr. –Ing. Stefan Kowalewski
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RWTH Aachen University
Lehrstuhl Informatik 11 – Embedded Software Laboratory, Ahornstraße 55, 52074 Aachen, Germany
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