Rischan Mafrur, M.Eng

Contact Information

Advanced Network Laboratory
Dept. of Electronics and Computer Engineering
Chonnam National University
Room 419, Engineering Building 7
77 Yongbong-dong, Bukgu, Gwangju 500–757,
South Korea

Mobile: +62857–434–63470
E-mail: rischanlab@gmail.com

Research Interests

Ubiquitous Computing, Internet of Things, Context Aware and Sensing, Big Data Data Mining, and Machine Learning

Educations

Chonnam National University, South Korea

M.Eng., School of Electronics and Computer Engineering   (2013 – 2015)
- GPA: 4.38/4.50
- Thesis: *Modeling and Discovering Human Behavior from Smartphone Sensing Life-Log Data*
- Adviser: Professor Deokjai Choi

Sunan Kalijaga State Islamic University, Yogyakarta, Indonesia

BCS, Informatics Department   (2009 – 2013)
- GPA: 3.74/4.00 (1 top)
- Thesis: *Correlation between Learning Model using IndoBlockly with Students Understanding for Structured Programming Course*
- Adviser: Agung Fatwanto, PhD

International Journal Publications

[1] **Rischan Mafrur**, I Gde Dharma Nugraha and Deokjai Choi, "Modeling and discovering human behavior from smartphone sensing life-log data for identification purpose (My Thesis) ", *International Journal of Human-centric Computing and Information Sciences*, Vol. 5 (2015), pp. 1-18.

[2] **Rischan Mafrur**, Priagung Khusumanegara, Gi Hyun Bang, Do Kyeong Lee, I Gde Dharma Nugraha and Deokjai Choi, "Developing and Evaluating Mobile Sensing for Smart Home Control", *International Journal of Smart Home*, Vol. 9, No. 3 (2015), pp. 215-230.

[3] **Rischan Mafrur**, M Fiqri Muthohar, Gi Hyun Bang, Do Kyeong Lee, Kyungbaek Kim and Deokjai Choi, "Twitter Mining: The Case of 2014 Indonesian Legislative Elections", *International Journal of Software Engineering and Its Applications*, Vol. 8, No. 10 (2014), pp. 191-202.

[4] Priagung Khusumanegara, **Rischan Mafrur** and Deokjai Choi, "Why Smartphone Users Accessing Facebook Through Facebook Mobile Website?: Battery and Privacy Awareness", *International Journal of Multimedia and Ubiquitous Engineering*, Vol. 10 , No. 8 (2015), pp. 339-346.

International Conference Publications

[5] **Rischan Mafrur**, I Gde Dharma Nugraha and Deokjai Choi, "Concept, Design and Implementation of Sensing as a Service Framework", *ACM IMCOM, The 9th International Conference on Ubiquitous Information Management and Communication*, January 2015, Bali, Indonesia.

[6] **Rischan Mafrur**, M. Fiqri Muthohar, Gi Hyun Bang, Do Kyeong Lee and Deokjai Choi, "Awareness Home Automation System Based on User Behavior through Mobile Sensing", *CUTE 2014, The 9th KIPS International Conference on Ubiquitous Information Technologies and Applications*, December 2014, Guam, USA.

[7] Priagung Khusumanegara, **Rischan Mafrur** and Deokjai Choi, "Profiler for Smartphone Users Interests Using Modified Hierarchical Agglomerative Clustering Algorithm Based on Browsing History", *ICT-Eurasia 2015/CONFENIS 2015: 89-96*, October 2015, Daejon, South Korea.

AWARDS AND SCHOLARSHIPS

Awards

- Award for a student with the best and fastest graduate academic performance in Faculty of Science and Technology by Sunan Kalijaga State Islamic University, Yogyakarta, Indonesia (2013)
- Awards for the "Summa cum laude" in Faculty of Science and Technology by Sunan Kalijaga State Islamic University, Yogyakarta, Indonesia (2013)
- Recipient Grant Prime (as a researcher) Faculty of Science and Technology, Sunan Kalijaga State Islamic University of Yogyakarta. (2012)
- Recipient Grant Prime (as a researcher) Directorate General of Higher Education, Ministry of Education and Culture. (2011)

Scholarships

- Brain Korea 21/+ Research Scholarship (2014–2015)
- Ministry of Science, ICT&Future Planning Research Scholarship Korea (2014–2015)
- National Research Foundation, South Korea (2014–2015)
- Global IT Government (NIPA) Scholarship (2013–2014)
- Scholarship for Bachelor Final Thesis from ODK (Da'wah Campus Organization) (2013)
- Scholarship Achievements from Bank Indonesia (2012–2013)
- Sunan Kalijaga State Islamic University of Yogyakarta & Ministry of Religius (2009–2012)

PROFESSIONAL EXPERIENCES

Chonnam National University, South Korea

Researcher (2013–08/2015)

- Personal Data Sensing Analysis (funded by NRF) (2014–08/2015)
- Mobile Device Interface Research Center (MDIRC) group (2014)
- Wi-Fi Handover for the Robot Monitoring and Controlling System (incorporate with RedOne Technologies Co., Ltd., South Korea) (funded by NIPA) (09/2013–02/2014)

PTIPD (Center of Information Technology and Data Center)

Web Developer (01/2012–6/2013)

- Developing Online Registration System for KKN (Kuliah Kerja Nyata) based on CodeIgniter Framework with Restful API and Oracle Database.

Sunan Kalijaga State Islamic University, Yogyakarta, Indonesia

Teaching Assistant (2010–2013)

- Algorithms and Data Structures (C++) (2010)
- Operating System (Linux) and Bash Scripting Language (2010, 2012)

- Visual Programming Language (Borland Delphi) (2011)
- Database (MySQL and Oracle) (2011)
- Structured Programming (C Procedural) (2011, 2012)
- Object Oriented Programming (Java) (2012)
- Web Programming (PHP) (2012)
- Information System (2012, 2013)
- Mobile Computing (Android) (2012, 2013)

Research Assistant (2010–2012)

- Learning Vector Quantization for Javanese Characters Recognition, Supervised by DR. Shofwatul 'Uyun, M.Kom, (2012)
- Digital Image Processing for Blocking Porn Images in Android Platform (Grant research sponsored by Directorate General of Higher Education), Supervised by DR. Shofwatul 'Uyun, M.Kom, (2011–2012)
- Developing Firefox Add-ons for Blocking Unwanted Contents, Especially Nude Images. This research supported by Faculty of Science and Technology, Sunan Kalijaga State Islamic University, Supervised by Bambang Sugiantoro, M.T, Com TIA, (2013)

Imagine IT Education Center , Yogyakarta, Indonesia

PHP and Android Tutor (01/2012–12/2012)

- Developing Android Applications from Scratch
- Developing Web Applications based on CodeIgniter Framework
- Thesis Consultant

LANGUAGES

Javanese	Native
Indonesian	Native
English	Professional working proficiency
Korean	Beginner
Arabic	Beginner

PROGRAMMING SKILLS

R Language, Python Django, Pandas, PHP CodeIgniter, Android, Data Mining and Machine Learning.

ACADEMIC REFERENCES

Chonnam National University, South Korea

Prof. Deokjai Choi
Professor at Department of Electronics and Computer Engineering
Chonnam National University

Advanced Network Laboratory
Dept. of Electronics and Computer Engineering
Chonnam National University
Room 419, Engineering Building 7
77 Yongbong-dong, Bukgu, Gwangju 500–757, South Korea

Mobile: (+82)62–530–3429
E-mail: dchoi@jnu.ac.kr

Prof. Kim Kyungbaek
Assistant Professor at Deprtment of Electronics and Computer Engineering in Chonnam National University.

Distributed Networks and Systems (DNS) Lab
Dept. of Electronics and Computer Engineering
Chonnam National University
Engineering Building 6, 77 Yongbong-dong, Bukgu,
Gwangju 500–757, South Korea

Mobile: +82–62–530–3438
E-mail: kyungbaekkim@jnu.ac.kr

Sunan Kalijaga State Islamic University, Yogyakarta, Indonesia

Agung Fatwanto, PhD(Head of PTIPD)
Email : agung.fatwanto@uin-suka.ac.id, Phone :

DR. Sofwatul U'yun (Lecturer)
Email : shofwatul.uyun@uin-suka@ac.id, Phone :

Agus Mulyanto, M.Kom Lecturer
Email : agus.mulyanto@uin-suka.ac.id, Phone :

PROFESSIONAL
REFERENCES

Company, South Korea

Someone
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PERSONAL
INFORMATION

Place, Date of Birth	Temanggung, January 14th, 1991
Gender	Male
Nationality	Indonesia
Religion	Islam
Status	Single/Un-Married
Github	*github.com/rischanlab*
LinkedIn	*linkedin.com/in/rischan*
Stack Overflow	*stackoverflow/rischan*
Stackoverflow Career	*careers.stackoverflow.com/rischan*