

# 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	
EDUCATION	<b>Chonnam National University</b> , South Korea	
	M.Eng., School of Electronics and Computer Engineering (2013 – 2015)	
	<ul style="list-style-type: none"><li>• GPA: 4.38/4.50</li><li>• Thesis: <i>Modeling and Discovering Human Behavior from Smartphone Sensing Life-Log Data</i></li><li>• Adviser: Professor Deokjai Choi</li></ul>	
	<b>Sunan Kalijaga State Islamic University</b> , Yogyakarta, Indonesia	
	B.Kom., Informatics Department (2009 – 2013)	
	<ul style="list-style-type: none"><li>• GPA: 3.74/4.00 (1 top)</li><li>• Thesis: <i>Correlation between Learning Model using IndoBlockly with Students Understanding for Structured Programming Course</i></li><li>• Adviser: Agung Fatwanto, PhD</li></ul>	
INTERNATIONAL JOURNAL PUBLICATIONS	<p>[1] <b>Rischan Mafrur</b>, I Gde Dharma Nugraha and Deokjai Choi, “Modeling and discovering human behavior from smartphone sensing life-log data for identification purpose (My Thesis)”, <i>International Journal of Human-centric Computing and Information Sciences</i>, Vol. 5 (2015), pp. 1-18.</p> <p>[2] <b>Rischan Mafrur</b>, Priagung Khusumanegara, Gi Hyun Bang, Do Kyeong Lee, I Gde Dharma Nugraha and Deokjai Choi, “Developing and Evaluating Mobile Sensing for Smart Home Control”, <i>International Journal of Smart Home</i>, Vol. 9, No. 3 (2015), pp. 215-230.</p> <p>[3] <b>Rischan Mafrur</b>, M Fiqri Muthohar, Gi Hyun Bang, Do Kyeong Lee, Kyungbaek Kim and Deokjai Choi, “Twitter Mining: The Case of 2014 Indonesian Legislative Elections”, <i>International Journal of Software Engineering and Its Applications</i>, Vol. 8, No. 10 (2014), pp. 191-202.</p> <p>[4] Priagung Khusumanegara, <b>Rischan Mafrur</b> and Deokjai Choi, “Why Smartphone Users Accessing Facebook Through Facebook Mobile Website?: Battery and Privacy Awareness”, <i>International Journal of Multimedia and Ubiquitous Engineering</i>, Vol. 10, No. 8 (2015), pp. 339-346.</p>	
INTERNATIONAL CONFERENCE PUBLICATIONS	[5] <b>Rischan Mafrur</b> , I Gde Dharma Nugraha and Deokjai Choi, “Concept, Design and Implementation of Sensing as a Service Framework”, <i>ACM IMCOM, The 9th International Conference on Ubiquitous Information Management and Communication</i> , 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, Daejeon, South Korea.

AWARDS, HONORS AND  
SCHOLARSHIPS

- 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.
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ACADEMIC REFERENCES **Chonnam National University, South Korea**

#### Prof. Deokjai Choi

Professor at Department of Electronics and Computer Engineering  
Chonnam National University

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#### Prof. Kim Kyungbaek

Assistant Professor at Deptment of Electronics and Computer Engineering in Chonnam National University.

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## 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

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

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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	<a href="https://github.com/rischanlab">github.com/rischanlab</a>
LinkedIn	<a href="https://linkedin.com/in/rischan">linkedin.com/in/rischan</a>
Stack Overflow	<a href="https://stackoverflow.com/rischan">stackoverflow/rischan</a>
Stackoverflow Career	<a href="https://careers.stackoverflow.com/rischan">careers.stackoverflow.com/rischan</a>

