

## PERSONAL INFORMATION

### Surya Ramadhan



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🔗 <https://www.hackster.io/dadanugm07>  
<https://scholar.google.co.id/citations?user=KaE3Qg8AAAAJ&hl=en>

Sex M | Date of birth 19/04/1989 | Nationality Indonesia

## POSITION

### Embedded System Engineer

## WORK EXPERIENCE

Jan 2019 – Present

#### Embedded System Engineer

PT. Tricada Intronik, Bandung, West Java, Indonesia

- Develop hardware from concept to electronics/IoT devices prototype (Lora, Zigbee, Wifi) based on Device Platform(STM32/AVR/ESP/Raspberry-Pi)
- Testing and maintaining developed devices
- Device installation for customers
- Proof of Concept (PoC) installation for customers
- Internship instructor

Jul 2018 – Dec 2018

#### RTL Design Engineer

PT Xirka Silicon Technology, Bandung, West Java, Indonesia

- Testing and debugging of developed RTL for Xirka Smartcard
- Design PCB for Xirka smartcard reader

Sep 2017 – Jul 2018

#### Embedded System Engineer

PT Fusi Global Teknologi, Bandung, West Java, Indonesia

- Create a customized electronics prototype based on microcontroller (STM32/AVR/ESP)
- Testing and maintaining developed devices

Jun 2015 – Sep 2017

#### Research & Lab assistance

Institut Teknologi Bandung Bandung, West Java, Indonesia

- Hardware development using Microcontroller STM32 and FPGA for Lab's projects

## EDUCATION AND TRAINING

August 2015 – Juli 2017

#### Master of Science

Institut Teknologi Bandung, Bandung, Indonesia

Electrical Engineering, School of Electrical Engineering and Informatics  
Major: Microelectronics

October 2014 – May 2015

#### Master Candidate

Universität Duisburg Essen, Duisburg, Germany

Automation and Control Engineering, Faculty of Electrical Engineering and Informatics  
Major: Automation and Control

July 2013 – March 2014    **German Course A1 – B2**  
 Goethe Institut Jakarta, Jakarta, Indonesia  
 A1 – B2 Class

August 2007 – April 2013    **Bachelor of Science**  
 Universitas Gadjah Mada, Yogyakarta, Indonesia  
 Physics, Faculty of Mathematics and Natural Science  
 Major: Physics

PERSONAL SKILLS ■

Mother tongue(s)    Indonesian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	5.0	6.0	5.5	5.5	6.0
IELTS					
German	Under 3	3	3	3	3
Test DAF					

\*Certificate published in 2014

Organisational / managerial skills    Medical Emergency Rescue Committee  
 2008-2013  
     - Non-Medic Volunteer

Job-related skills    Experienced in Hardware simulation and programming  
     - Low level programming language: VHDL & Verilog.  
     - High level programming language: C/C++, Python.  
     - PCB Design Software: KiCAD/EAGLE/Altium.  
     - Simulation software: SPICE, Matlab/Simulink.  
     - Hardware platform programming experience: STM32, AVR/Arduino, ESP, and Raspberry Pi  
     - Soldering skill for board prototype (SMT)

References    Ihsan Hariadi, Ir, M.ASc  
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 Position: Lecturer and Head of Electronic Manufacturing Laboratory, Institut Teknologi Bandung  
  
 Prof. Trio Adiono  
 E-mail: [tadiono@stei.ac.id](mailto:tadiono@stei.ac.id), [tadiono@gmail.com](mailto:tadiono@gmail.com)  
 Phone: +62 222 5022 60  
 Position: Professor of School of Electrical Engineering and Informatics, Institut Teknologi Bandung