

CURRICULUM VITAE

[ANDI ANTONIUS TANDY]

Personal Data

Name : Andi Antonius Tandy
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Objective

To join a reputable company and become a member of a professional engineering team that later can change the world for a better living in the scope of technological breakthrough.

Education

2015 to 2017 Technical University Berlin – Master of Space Engineering
It is an international master program that focuses on space technology. Worked in multicultural environment, project management, satellite development.

2007 to 2011 Swiss German University – Mechatronics Engineering

Work Experience

November 2013 to April 2014

Hardware Developer at the Center for Robotic and Intelligent Machines (CRIM) of Surya Research Institute in Jakarta, Indonesia

1. Developed a drone in collaboration with Indonesian Army
2. Worked in the electrical engineering division, power distribution, and motor control.
3. Worked in a team with version control system and project management.

December 2011 to August 2013

Embedded Software Developer Engineer at PT. Metbelosa in Jakarta, Indonesia

1. Optimized the electronic meter's production process
2. Taken part on the product development of digital electricity meter
3. Transferred to **EDMI Shenzhen** and worked as Embedded Software Developer to develop firmware for a digital electricity meter

March 2010 to August 2010

Internship at Harman Becker Automotive Division in Stuttgart, Germany

1. Helped the research and development division to build a testing equipment
2. Testing a prototype unit for a car infotainment system
3. Worked in cabling, testing hardware, and making test jig.

September 2008 to January 2009

Internship at the Vocational Training Centre PT Siemens Indonesia in Cilegon

Learned subjects:

1. Basics of electricity and cabling systems
2. Electrical measurement systems
3. Electronic components and low voltage protection
4. Electrical and cabinet installation

Organization & Project Experience

2017	Thesis project on a Solar Charge Regulator In collaboration with PT-Scientist Berlin. This project supports the Lunar Quattro Rover that was part of the Google Lunar X-Prize. Worked in PCB prototyping, parts selection, ARM programming.
2016	Developed an Arduino based Weather CanSat The CanSat was launched to measure atmospheric data. Worked in wireless communication, data interpretation.
2015	Developed a Sensor Array for the Fluid Dynamic Actuator (FDA) FDA is developed by TU Berlin to replace reaction wheel as satellite attitude control. The sensor array is used to demo the working principle of the FDA. Worked in sensor data fusion, control algorithm, multicultural team.
2015 – 2017	Participated in the Management of an Indonesian Religious Community in Berlin
2011	Participated in the 13 th International Robot Olympiad 2011 as referee
2011	Thesis project on a DC-DC converter using an FPGA In collaboration with "Indonesian Agency for the Assessment and Application of Technology". Worked in power electronics, sensors driver, ISE Design Suite by Xilinx.
2010	Developed a "Wi-Fi controlled robot" using Arduino It is a 3-wheeled robot that can be controlled with any Wi-Fi enabled device such as laptops and smartphones through a web interface. Worked in CAD design, computer networking, HTML programming.
2009 – 2010	Enrolled at the SGU Robotic Club as lecturer.

Language Skills

	Speaking	Writing	Reading
English	Advance	Intermediate	Advance
German	Intermediate	Good	Good
Indonesian	Native	Native	Native
Mandarin	Beginner	Beginner	Beginner

Computer Skills

Programming	C++ FPGA MATLAB
Office	Microsoft Visio Microsoft Project
Design	Solid Works Altium Designer

Hobbies & Interests

My hobby is aero-modelling. I have interest in consumer electronics, computer networking, and board games.

Last updated on 24 February 2018