

CURRICULUM VITAE

[ANDI ANTONIUS TANDY]

Personal Data

Name : Andi Antonius Tandy
Date of Birth : 21 April 1989
Address : Alt-Moabit 84
Berlin 10555
Mobile : +49 176 7600 4951
Website : andi-tandy.com
E-mail : andi.antonius@gmail.com
Skype : andi.antonius



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

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|--------------|--|
| 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 |
| 2004 to 2007 | Santu Petrus High School – Natural Science |
| 2001 to 2004 | Suster Middle High School |
| 1995 to 2001 | Suster Elementary School |

Work Experience

November 2013 to April 2014

Researcher 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

Research & Development 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 Software Engineer 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

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|-------------|--------------------------------------|
| 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 19 February 2018