Andi Antonius Tandy

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EDUCATION

TU BERLIN
M.Sc in Aerospace Engineering
Aug 2017 | Berlin, DEU

SWISS GERMAN UNIVERSITY
B.Eng in Mechatronics
Jul 2011 | Jakarta, IDN

LINKS

Github:// **reaper1412**
LinkedIn:// **Andi Tandy**
Xing:// **Andi Tandy**
YouTube:// **Andi Antonius**

COURSEWORK

GRADUATE
Satellite Technology
Space Electronics
Mission Planning & Operation
Spacecraft Dynamics & Control
Space Sensors & Instruments
Space Flight Mechanics
Spacecraft Propulsion Systems

UNDERGRADUATE
Sensors & instrumentation
Algorithm, Programming &
Data Structure
Control Techniques
Kinematics & Dynamics
Power Electronics
Microcontroller
Embedded System
Mechatronics System Design
Professional English
6 Months Internship in Germany

SKILLS

PROGRAMMING
C • C++ • VHDL • MATLAB
HTML • CSS • Assembly • LaTeX
DESIGN
Eagle • Altium • Solid Works
LANGUAGE
English • German • Chinese

EXPERIENCE

FEV | Embedded Software Developer
Jun 2018 - Present | Braunschweig, DE

SURYA RESEARCH INSTITUTE | Hardware Developer
Nov 2013 – Apr 2015 | Tanggerang, ID
- Developed a drone in collaboration with Indonesian Army
- Worked in the electrical engineering division, power distribution, and motor control.

METBELOSA | Embedded Software Developer
Dec 2011 – Aug 2013 | Jakarta, ID & Shenzhen, CN
- Designed mixed signal circuit in Altium for digital electricity meter
- Transferred to EDMI Shenzhen to develop firmware for a digital electricity meter

HARMAN INTERNATIONAL | Hardware Support & Intern
Mar 2010 – Aug 2010 | Stuttgart, DE
- Built a testing equipment for a car infotainment system
- Test a car infotainment system prototype unit

SIEMENS | Intern
Sep 2008 – Jan 2009 | Cilegon, ID
- Basics of electricity and cabling systems
- Electrical measurement systems
- Electronic components and low voltage protection
- Electrical and cabinet installation

ORGANIZATION & PROJECT EXPERIENCE

2018	Flip clock
2017	Personal Website
	Master Thesis on Solar Charge Regulator
2016	Arduino based weather measurement unit
2015	Fluid actuator control unit
2015 – 2017	Participated in the Management of an Indonesian Student Community in Ber
2011	Participated in the 13th International Robot Olympiad 2011 as referee
	Thesis project on a DC-DC converter using an FPGA
2010	Developed a "Wi-Fi controlled robot" using Arduino
2015 – 2017	Contributed at the Swiss German University Robotic Club as lecturer