



# Tegar Imansyah

Mechatronics Engineering  
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Surabaya, Indonesia



// Knowledge is a must and technology is a future.  
Aiming to make a high technology library and research center on rural area, for those who unlucky.

## Experience Timeline

2016 - 2017

### Disaster Victim Detection with Deep Learning

#### Final Project Research for B.AS. Mechatronics Eng.

Develop a deep learning model and dataset for disaster victim. Implemented for Raspberry Pi in Quadcopter and ground station. First implementation using Caffe and now using Keras with Tensorflow backend.

Supervised by Dr.Eng. Indra Adji Sulistijono and Anhar Risnumawan, M.CS.

2016 - 2016

### Deep Learning Online Course

#### MOOC from Udacity

An online course by Vincent Vanhouke, Principal Scientist at Google. The cutting edge course talk about basic implementation of popular layers such as regularization, dropout, etc including assignment with tensorflow and ipynb.

2016 - 2016

### CNN for Visual Recognition

#### Stanford CS Class Notes, <http://cs231n.github.io/>

An open notes for Convolutional Neural Networks in detail from Stanford CS Class. Provide a variety of popular scientific papers that discuss CNN made the students can develop the latest concepts.

2016 - 2016

### Machine Learning Online Course

#### MOOC from Coursera

An online course by Andrew Ng, Chief Scientist at Baidu Research. The 11 weeks comprehensive course talk about fundamental of machine learning. Online assignment done with octave.

2015 - 2015

### Real-time Object Detection on Computer Vision

#### Culture and Engineering Student Exchange, Japan

Three months developing and understanding a visual processing through python, OpenCV, several object detection concept and algorithm behind it.

Supervised by Dr. Kengo Ohta.

2010 - 2012

### Informatic Olympiad

#### Tim Olimpiade Komputer Indonesia

Informatic Olympiad is an annual competitive programming competition for high school students. Not only competition but also coaching session of mathematics, logic, algorithm and programming language. Start from here I intensively learnt more advanced programming algorithm with several programming language.

*More Research and Learning Experience  
has Written on My LinkedIn*

## Organization

02/2017 - Now

### TEDxTuguPahlawan

A local community to organize TED-like Talks in Surabaya. Works as one of the organizer.

10/2016 - Now

### Surabaya.py

A public community for user of python programming language in Surabaya. Works as External Relation Manager.

*More Organization Experience  
has Written on My LinkedIn*