



# Mikael Pratama Kristyawicaksono

Eventual maker, coder, and developer for digital and physical world

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## PREVIOUS PROJECTS AND WORKING EXPERIENCES

### Universiteit Twente, Pedge

September 2016 - April 2017

A project to create Pedge, a wearable Internet of Things (IoT) device as an alternative to [Humanyze's](#) Sociometric Badge.

*Responsibilities: Full-stack web developer with Bootstrap, Flask, and RethinkDB, hardware developer with Raspberry PI, and computer vision with OpenCV and Tracking JS*

Media: [Document](#) [Videos](#)

### With [Wag](#), meSch

November 2015 - April 2016

A project to make museum simulator and haiku generator based on visitor's visit in museum.

*Responsibilities: Hardware developer with Arduino and software developer with HaXe*

Media: [Videos](#) [Photos](#)

### With [De Spullenmannen](#), DeMeter

January 2013 - March 2013

A project to make a garden monitoring tool that connect to an online database.

*Responsibilities: Hardware developer with custom-made Arduino*

Media: [Video](#) [Photos](#)

### PT. Toyota Astra Motor, Internship

May 2016 - September 2016

A project to help company presence in IoT and their after-service offerings.

*Responsibilities: Full-stack web developer with MEAN, hardware development with Arduino and OBD, and mobile development with Xamarin.*

### In [Light Challenge](#) With Municipality of Almelo, DeModusol

April 2013 - May 2015

Street lighting design competition for student from the entire The Netherlands.

*Responsibilities: Hardware developer for case and electronics*

Media: [Video](#) [Photos](#)

### In [GOGBOT](#), R.A.T Art Installation

March 2012 - September 2012

Originally from university project. Robot in a Tube (R.A.T) displayed the extend of "human" after several man-made organ transplants.

*Responsibilities: Hardware developer with Arduino*

Media: [Photos](#)

## EDUCATION - B.Sc

Creative Technology, Universiteit Twente, The Netherlands

Minor: Philosophy and Classical Mechanics and Mathematics (Calculus A and Linear Algebra)

## AWARDS AND PARTICIPATIONS

- 2013 Participant at [Light Challenge](#) 2013 working together with the Municipality of Almelo
- 2013 1st Place [Create Tomorrow Idea Tank Competition](#) case winner from [Huisman Equipment BV](#)
- 2012 Participant at [GOGBOT](#) Festival 2012

## SKILLS

- **Languages:**
  - Indonesian (native)
  - English (speaking and writing)
  - Dutch (learned, two university courses)
  - German (learned, A2)
- **OS:** Android, Linux (Debian and OpenSUSE), MacOSX, Windows
- **Hardware:**
  - Platforms: Arduino, ESP8266, Raspberry PI, TI Launchpad MSP430
  - Internet of Things (IoT)
  - Wearable technologies
  - General electronics (soldering, desoldering, ...)
- **Software:**
  - Adobe Flash ([The Earth Archive](#))
  - Adobe Illustrator/InkScape (for laser cut)
  - Adobe Photoshop/GIMP (basic editing)
  - Adobe Premiere ([DeModusol Promo Video](#))
  - Blender ([Animation for Mathematics and Modeling Course](#))
  - MS/Libre Office
  - Various note taking applications
- **Programming languages:** Bash, C (Arduino), C# (Unity, Xamarin), C++ (Ogre3D, OpenFrameworks, SDL), GML (GameMaker Studio), HaXe, Java (Android, LibGDX, Processing), JavaScript (NodeJS, P5JS, Phaser), LaTeX, Python (Flask, Raspberry PI)

## HOBBIES

Board and video games, coding, electronics, learning anything new, note taking, and tennis