

---

# KATSUNORI OHNISHI

## email:

ohnishi [at] mi.t.u-  
tokyo.ac.jp

## address:

7-3-1 Hongo  
Bunkyo-ku, Tokyo,  
Japan  
+81-3-5841-8987

## Education

**M.S. in Information Science and Technology, University of Tokyo**

**Apr. 2015 - Present**

Theme: Action Recognition, Egocentric Vision

**B.S. in Mechano-Infomatics, University of Tokyo**

**Apr. 2011 - Mar. 2015**

Thesis: Robust Ego-Activities Detection of Daily Living in Diversity  
Environment with a Wrist-mounted Camera (Prof. T. Harada)

## Research Experience

**Research Intern**

**Aug. 2015**

NTT Corporation: NTT Communication Science Laboratories, Kyoto

Theme: Speech recognition with Network in Network, under the  
supervision of Dr. Tatsuya Yoshioka

**Student**

**April. 2014 - Present**

University of Tokyo: under the supervision of Prof. Tatsuya Harada

Theme: Egocentric vision, action recognition, large-scale object  
recognition

## Work Experience

**Algorithm Developer in Medical Image Processing**

**Jun. 2015 - Present**

Ziosoft, Inc., Tokyo

Topic: Automatic recognition from MR image and CT image

**Mentor, research seminar for undergraduate**

**Oct. 2015 - Jan. 2016**

The University of Tokyo

Theme: Image detection with Convolutional Neural Networks

**Teaching Assistant, "Real world recognition"**

**Oct. 2015**

The University of Tokyo

**Preparatory School Teacher**

**Apr. 2012 - Mar. 2014**

Sundai Preparatory School, Tokyo

Personal Teaching: Mathematic, Physics, and Chemistry for junior high  
school and high school student

## Publications

[1] **Katsunori Ohnishi**, Atsushi Kanehira, Asako Kanezaki, and Tatsuya  
Harada, "Recognizing Activities of Daily Living with a Wrist-mounted  
Camera," CVPR, 2016 Spotlight.

---

---

[2] Takuya Yoshioka, **Katsunori Ohnishi**, Fuming Fang, and Tomohiro Nakatani, “Noise Robust Speech Recognition using Recent Developments in Neural Networks for Computer Vision,” ICASSP, 2016.

### Funding sources

[1] Japan Public-Private Partnership Student Study Abroad Program (Full-funded scholarship for visiting research) Apr. 2016 - Jul. 2016

### Competitions

[1] ILSVRC 2015 in conjunction with ICCV 2015 (**invited poster**)  
the *3rd* place in the task 1b: Object detection with additional training data  
Masataka Yamaguchi, Qishen Ha, **Katsunori Ohnishi**, Masatoshi Hidaka,  
Yusuke Mukuta, Tatsuya Harada

[2] THUMOS Challenge 2015 in conjunction with CVPR 2015  
the *9th* place in the task 1: action classification  
**Katsunori Ohnishi** and Tatsuya Harada

### Skills

**Technical Skills:** Matlab (50%), Python (45%), C++ (5%)

**Embedded Systems:** Arduino

**Toolkits/Frameworks:** Chainer, Caffe, OpenCV

**Interests & Activities:** Baseball, Fencing

---