
YUKI FURUTA

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PROFILE

The first year student in doctor course at the University of Tokyo in the JSK Laboratory. I'm major in robotics especially the behavior of home assistant robot.

EXPERIENCE

SOFTWARE ENGINEER, FOVE INC., JAPAN – 2014-PRESENT

In the startup "FOVE" which is supported by Microsoft Ventures London Accelerator, I'm a chief software engineer for researching and developing fast and accurate gaze tracking system applicable on the world first eye tracking head mount display.

SOFTWARE ENGINEER/DIRECTOR, OKTAL JAPON INC., FRANCE/JAPAN

– 2014-PRESENT

Research and development of modules for ADAS (Advanced Driver Assistive Systems) and AFS(Adaptive Front-lighting System) in vehicle simulator environment.

IOS DEVELOPMENT TEAM LEADER, UNIPRO INC., JAPAN – 2011-2013

A leader of iOS mobile application development team, which released more than 10 apps, and research and development of fast and less-memory image recognition engine for specific object optimized for smartphone.

EDUCATION

the University of Tokyo – master, 2014-present

the University of Tokyo – bachelor, 2010-2014

SKILLS

Lisp, Python, C++, C#, Objective-C++. Scala, OpenCV, PCL, Linux, Windows, OSX, ROS

ROBOT SKILLS

PR2 (Willow Garage), Baxter (Rethink Robotics), Turtlebot(Open Source Robotics Foundation)

REFERENCES

1. Yuki FURUTA, Yuto INAGAKI, Youhei KAKIUCHI, Kei OKADA, Masayuki INABA:
PR2 Tidies-up room (In Japanese),
in The 31th Annual Conference on Robotics Society of Japan, 1I2-02, 2013.
2. Yohei Kakiuchi, Yuki Furuta, Hiroyuki Mikita, Shunichi Nozawa, Kei Okada, Masayuki Inaba:
Automatically Generating System of Hierarchized Interruptible Task Execution Machine for Assistant Robot,
in Proceedings of The 19th Robotics Symposia, pp.631-636, 2014.
3. Yuki FURUTA, Yohei KAKIUCHI, Hiroyuki MIKITA, Ryohei UEDA, Kei OKADA, Masayuki INABA:
Onsite Interruptable Action Management System on Daily Assistant Robot,
in 2014 JSME Conference on Robotics and Mechatronics, 1P2-Q06, 2014.
4. Yuki Furuta, Yuto Inagaki, Kei Okada, Masayuki Inaba:
Self-improving Robot Action Management System with Probabilistic Graphical Model based on Task Related Memories, in 14th IAS, 2016 (submitted)