Kevin Denamganaï
Date of birth : 10/05/1993
Computer Science and Electronical Engineering student (ENSEA)
Artificial Intelligence and Robotics Master student (University of Cergy-Pontoise)
Electronic and Information Systems Master student (Osaka Prefecture University)

1 impasse du Petit Bois
72300 Juigné sur Sarthe - FRANCE
E-mail : denamganai.kevin@gmail.com

Work Experience

Keepschool
Teacher (Mathematics and English)
(since Octobre 2013)

Internships :

- ETIS Laboratory (Summer 2014) :

Computer Vision & Robotics - Calibration & Stereovision :
crafted an artificial vision system meant to autonomously control a robotic arm made up of Dynamixel AX12 servomotors.

- ETIS Laboratory (Summer 2015) :

Design and Evaluation of a LRF-based SLAM system : following a state-of-the-art with multiple implementation of already existing LRF-based SLAM systems as ROS nodes, I implemented my own system following incremental innovations and carried on an evaluation of that system against few others.

- ETIS Laboratory (Winter 2015-2016) :

Visual Context for a Spatial Recognition System in Wide Environments

Activities-Projects

AMFS -Vice president (July 2014-2015)

- Planning the forum "Bouge La Science", a vulgarisation event.

ARES - Secretary (July 2014-2015)

- Designing a controller for a differential-wheeled robot meant for the 2015 Robotic French Cup. (November 2014)
- Crafting a humanoid robot with MG995 servomotors. (December 2015)

ENSEA projects :

- Controller for a Quadrocopter (September 2014-May 2015)
- Semi-Dense/Features-based Visual SLAM systems (September 2014-May 2015)
- Iterative/Simultaneaous Impulse-based/Force-based Physics Engines for a Game development (September 2015-January 2016)

OPU projects :

- Deep Reinforcement Learning Framework in C++ (May 2016)
- Multiple Object Detection and Tracking system with OpenCV (September 2016)

Education

Electrical and Information Systems Master Degree
Osaka Prefecture University (OPU) – Osaka – JAPAN
2016-2017 (expected)

Artificial Intelligence and Robotics Master Degree
Université de Cergy-Pontoise (UCP) – Cergy-Pontoise (95) – FRANCE
2015-2017 (expected)

Computer Science and Electronical Engineering
Ecole nationale supérieure de l'Electronique et de ses Applications (ENSEA) – Cergy (95) – FRANCE
2013 – 2017 (expected)

Qualifications

Machine Learning
Coursera January 2014
Computational Neuroscience
Coursera March 2014
Discrete Inference and Learning in Artificial Vision
Coursera March 2014
Linear and Discrete Optimization
Coursera May 2014
AUTONAVx: Autonomous Navigation for Flying Robots
Edx July 2014
Automata
Coursera November 2014
AMRx: Autonomous Mobile Robots
Edx October 2015
6.832x: Underactuated Robotics
Edx December 2015

Languages

French	(Mother tongue)
English	(**TOEIC 950 (2014)**)
Deutsch	(Good working knowledge)
Japanese	(Beginner)

Skills

C, C++, Java,
Python, Prolog,VHDL
Matlab,Mathematica, Octave

ROS, Gazebo
FreeCAD, Blender
Linux

Raspberry Pi
Arduino
STM32

Machine Learning,
TensorFlow, Theano
Computer Vision, OpenCV

Interests

Mathematics
Origami
Astronomy

Basket-ball
Music : Violin
Psychology

Artificial Intelligence
Robotics

Martial Arts :
Tai C'hi Chuan
Wing Chun