"This resume was generated entirely in Python. For full sourcecode, view my portfolio."

Naphat Nithisopa

Robotic & Automation Engineering
Programming system integration

Bangkok,TH
+66-93-494-6545
pection.naphat@gmail.com
dev.to/pection
github.com/pection

PROJECTS/PUBLICATIONS

- **Lens Quality Checking using Machine Learning (First place)**
  - Published by Bachelor of Engineering Program in Robotics Engineering
  - This research project is about checking the quality of the lens with machine learning methods
  - The result of experiments show that the lens quality checking using machine learning can be achieved a performance testing with 99 %
  - This method can be applied to check the quality of lens in manufacturing automation in the future
  Keywords : checking the quality of the lens / polarization / image processing / machine learning
- **Humanoid Leaguge & 3rd Internation Award**
  - 3rd place Robocup Asia-Pacific RCAP 2017 in Humanoid Leaguges(Kid Size)
  -Learning in Humanoid-lab to 4 years
  -Self-Learning Skills
- **XY-Plotter**
  - XY Plotter Project for control XY plotter with forward kinematic pid control and combine a Image Processing Draw Picture in 24FJ48GA002 controller
- **ImageProcessingDigitSegment & Robotic Controller**
  - Use machine learning to predict Digit with other font in realtime after that control a camera for predict position x-y-z axis to move
- **Lane detection with Rasberrypi for AMAS2017**
  - use matlab to lane detection in AMAS2017 and use matlab to control low-level for drive a car and combine a imageprocessing in matlab
- **SimulateRobotpickingGripper & find 2D convolution in hand**
  - Use simulate program for see Robot to picking a Gripper
  -Find joint with Imageprocessing from Thermal Camera

Portfolio: github.com/pection

EXPERIENCE

Kanazawa University/ Robotic researcher

5/2019-8/2019

- Make program to predict Hand joint from ThermalCamera with Imageprocessing and build How to use this program with Doctoral degree in Robotic lab

Thai Optical Group/ Robotic Engineering

8/2019-12/2019

- Using the UI- 3240LE-NIR camera to capture and analyze an image with image processing and machine learning techniques to decide on lens quality in the computer.
- The result of experiments show that the lens quality checking using machine learning can be achieved a performance testing with 99 %

EDUCATION & AWARD

King Mongkut's University of Technology Thonburi
Bachelor of Engineering Program in Robotics Engineeing
2015-2019 GPAX: 2.85 :Active Recruitment Scholarship 50%

Skills

- Electronic
- Python
- Pandas
- C,C++
- NumPy
- Image processing
- Machine Learning
- Controller
- Command Line
- Git and Version Control
- ROS
- APIs
- GUI

Learned popular controller ,programing languages ,Image processing ,machine learning and Humanoid Robot

View Portfolio with QR code