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

Naphat Nithisopa

Robotic & Automation Engineering
Programming system integration

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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**
  - Get 3rd prize RoboCupSoccer:Humanoid Leaguges(Kid Size) in Robocup Asia-Pacific RC/Bangkok
  - Learning in Humanoid-lab to 4 years
  - Self-Learning Skills
- **XY-Plotter**
  - This is XY Plotter Project for control XY plotter with forward kinematic pid control and combine a image processing Draw Picture in 24FJ48GA002 controller
- **Image Processing Digit Segment & Robotic Controller**
  - Using 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**
  - Using matlab to lane detection in AMAS2017 and use matlab to control low-level for drive car and combine a image processing in matlab
- **SimulateRobotpickingGripper & find 2D convolution in hand**
  - Using simulate program for see Robot to picking a Gripper
  - Find joint with image processing from Thermal Camera

Other Projects in : github.com/pection/aboutme

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

- Python
- Image processing
- Machine Learning
- Matlab
- Pandas
- JavaScipt
- C,C++
- mbed OS
- NumPy
- PID Controll
- Command Line
- Git and Version Control
- ROS
- APIs
- GUI
- Electronic
- Mechanical

- Learned popular controller
- Programing languages
- Image processing
- Machine learning
- Humanoid Robot

View My Full-Portfolio
Scan this QR CODE