

Wang Zhi-zhou

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Nationality: Chinese

OBJECTIVE

I apply for the software engineer position.



PROJECT EXPERIENCE

- Vehicle license plate recognition system**
Assigned tasks: adjust the algorithm to achieve higher recognition rate
Project description:
We preprocess and segment all possible parts of an image, and we use a Support Vector Machine(SVM) algorithm to decide if each segment is(or is not) a license plate. For each detected plate, we use an Artificial Neural Network(ANN) algorithm to recognize the character.
- Intelligent traffic vehicle recognition system**
Assigned tasks: design the desktop(Windows xp) software
Project description:
We use radar velocimeter, laser range finder and web camera to obtain the information of vehicle. The desktop software communicate with those hardware devices and process the information obtained. According to the classification algorithm, vehicle is judged to be one of the six specified models.
- The Yellow grid line area parking detection system**
Assigned tasks: refine algorithm and graphic user interface, design the illegal record browser
Project description:
We use web camera to detect a specified yellow grid line area, the captured real-time images are sent to industrial personal computer to be processed. If some vehicles are detected parking, a record about that vehicle is saved and sent to the traffic control center server.

EDUCATION BACKGROUND:

- School of Electrical Engineering and Automation, Tianjin University, Tianjin, China**
Sep, 2013 TO Present Master candidate, Control Science and Engineering
➤ GPA=3.16,
➤ Research Area: Intelligent transportation system and image processing
➤ Correlated curriculum: Computer Vision, Artificial intelligence and Applications, Pattern recognition;
- School of Information Engineering, Nanchang University, Jiangxi, China**
Sep, 2009 TO Jul, 2013 Bachelor, Automation
➤ GPA=3.7
➤ Correlated curriculum: Object oriented C++ program design, Operating system principle, Data structure, Computer network;
➤ Final Year Project: The Design of MP3 Player;

TECHNICAL SKILL:

Platform WINDOWS XP/7/8.1, LINUX(Fedora)
Languages C, C++, C#
Software ❖ MS VS development tool;
 ❖ MFC Application Framework;
 ❖ OpenCV Image Processing Library
 ❖ Matlab, Mathematica
Others
 Pasted NCRE-3(Network) & NCRE-2(C)

LANGUAGE:

- ✓ Chinese (Native)
- ✓ English (Fluent): CET-6(470)、CET-4(478)

SELF-EVALUATION

Easy-going and congenial, with a strong sense of responsibility and good team-spirit, patient, have holding capacity to pressure and setback