

LEIZHEN ZHANG

PERSONAL INFORMATION

First Name: LEIZHEN

Last Name: ZHANG

Gender: Male

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EDUCATION BACKGROUND

China Agricultural University, September,2012 - June,2016

Major: B.A. degree in Electronic Business

Core courses: Java language、Database、Website operation、Introduction to Electronic Business、Management、Statistics

PATENT

Patent number or application number: 202111324189.6

Invention name: A semi-structured document recognition method and system based on pattern recognition

Inventor: Leizhen Zhang

Invention introduction:

1. First build the template. The way we build the template is to mark the KEY value of the key position in the document. As an anchor point, there are several anchor points in a document. Read the anchor points from top to bottom in order to establish the up-and-down relationship between the anchor points, the upper and lower tree of the anchor points at home; read the anchor points in turn from left to right, thus establish the left-right relationship between the anchor points, and establish the left-right tree of the anchor points . This document as a template can build up and down trees, left and right trees, that is, describe the up and down relationship, left and right relationship between anchor points, for any anchor point of the template, can give up and down anchor points, left and right anchors Point, in this way a template is created.

2. Match the template. For a new document, we first identify its anchor points, and then check the upper and lower anchor points, left and right anchor points of each anchor point. Check the anchor points of the same type in each template, and which anchor point has the same upper and lower anchor points, left and right anchor points as the new document. If the upper and lower anchor points and the left and right anchor points of each anchor point in the template can be found in the new document. Then we think that the template matching is successful.

3. Extract value. According to the template, the boundary of each value can be calculated and processed

according to its surrounding anchor points. So as long as the anchor is found, the value will naturally be found.

Invention significance:

1. The accuracy of document recognition has been greatly improved. After template matching, the accuracy of document recognition has reached more than 99%.
2. Ability to customize the template, and quickly enter the template in response to the template that has not been entered before. Improve the company's ability to respond quickly to new documents.
3. Solved the core problem of our company in document recognition, and established our company's leading position in the field of document recognition.

WORK EXPERIENCE

Shanghai Huihang Jiexun Network Technology Co., Ltd. July 2019-to date

Technical Support Engineer

Work description:

1. Support on call for company's system.
2. Provide technical support for company's related departments and business units.
3. Answer business questions about the working system.

Ping An Technology (Shenzhen) Co., Ltd. June, 2017-June, 2019

Data analyst

Work description:

1. Evaluate the performance of auto insurance.
2. Analyze the performance of insurance salespeople.
3. Maintain the existing system, and make some modification as needed.

Beijing Dongfang Guoxin Information Technology Co., Ltd. May, 2016-May, 2017

Data analyst

Work description:

1. Maintain the Real-time analysis system for company network.
2. Operation analysis of company's business branches.
3. Solve the problems raised by the staff and follow up.

SERVICE

China Agricultural University May, 2014-May, 2015

China Agricultural University Electronic Commerce Association President