

Keda Fu

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Education Background

Harbin Institute of Technology Sept. 2012 to Jul. 2016(expected)
B.E. Software Engineering

Internship

Summer internship in Neusoft, Dalian Jul. 2014 to Aug. 2014
Product developer

Research Center for Visual Computing and Machine Intelligence of HIT Sept. 2014 to Sept.2015
Research assistant

Research Center for Social Computing and Information Retrieval of HIT Nov. 2015 to May.2016(expected)
Research assistant

Publication

Yang, Zhibo; Xu, Huanle; **Fu, Keda**; Xia, Yong:"Similar Handwritten Chinese Character Discrimination by Weakly Supervised Learning",IEEE Intelligent Systems,2015(under review)

Awards and Honors

17thNational Robotics Championship, 1rd class prize in the national Jul.2015

People's Scholarship for 3 times,HIT Apr.2013 to Apr.2015

6th National College Mathematical Contest (preliminary),2rd class prize in the national Nov.2014

5thNational College Mathematical Contest (preliminary), 3rd class prize in the national Nov.2013

Three Goods Student, HIT Sept.2013

National Encouragement Scholarship Sept.2013

Outstanding Student In Party Lecture, HIT Jun. 2013

Experience

Research Program

Parallel Computation In Handwritten Chinese Character Recognition Jul.2015 to Oct.2015

To improve average processing time per character for isolated character recognition

➤ Independent researcher under supervision of the advisor

• Implemented the algorithms with CUDA

Weakly Supervised Discriminative Classification for Similar Chinese Character Pairs Sept. 2014 to Jul.2015

A research aimed at proposing novel feature which is suitable for the discrimination of similar pairs in Chinese characters, as well as simultaneously learn the classifier using weakly labeled data.

- Independent researcher under supervision of the advisor
- Proposed a novel feature which is good for learning the discriminative region of similar pairs of characters.
- Designed algorithm that can select the discriminative features, and train a SVM classifier simultaneously.

A Research on Handwritten Chinese Character Recognition

Sept. 2014 to Dec. 2014

An investigation of the state-of-the-art techniques used in handwritten Chinese character recognition, which aimed at implementing the proposed algorithms in papers

- Independent researcher under supervision of the advisor
- Implemented the algorithms in C++ language, and analyzed their performance.

Business Project

Laboratory Course Arranging System of HIT

A system which is used to manage the laboratory course for students in the department. The system consists of two parts, client applications in computers, and an account management website.

- Database designer, system analyst and coder
- Designed the database and implemented the management website in ASP.NET.

Neusoft IM(at Neusoft Talent Training Center)

Neusoft IM is a instant message system designed for the internal communication of Neusoft Corporation. The system was designed using MVC pattern and implemented in Java

- Designer and coder.
- Designed the database and implemented P2P chat in Java

Teaching Assistant

Study Counselor of Freshman

Sept.2013 to Jan.2014

Skills

Programming

- Facility with programming. Having programming experience with C, C++, C#, Java, XML, SQL, Matlab, etc.
- Proficiency in programming tools including Eclipse, CodeBlocks, Visual Studio, etc.

Others

- Strong skills in mathematics: Won the 2rd prize in the 6th National College Mathematical Contest (top 6%-15% in the national)
- Event planning ability and leadership talent, successfully organized many meetings and parties.
- Like to try and challenge myself. Use to be the member of debate team and theatrical company for one semester.