Shasha Li

Contact Information

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Research Experience

Pattern Recognition & Intelligent System Lab November 2014 - present
Beijing University of Posts and Telecommunications

- Supervisor: *Prof. Weihong Deng*
- Focus: Robust face recognition under varying conditions.
- Achievements: Five papers have been accepted by *FG2015*, *VCIP2015*, *ACPR2015* and *CCBR2015*.

Conference Publications

[1] **S.Li**, Y.Tu, W.Deng, and J.Lu. *Noise-resistant Local Binary Pattern based on Random Projection* In: *Asian Conference on Pattern Recognition (ACPR)2015*

[2] **S.Li**, and W.Deng. *Face Recognition based on Random Feature* In: *Visual Communication and Image Processing Conference (VCIP)2015 (Oral)*.

[3] Y.Wang, **S.Li**, and W.Deng. *Face Recognition Using Local PCA Filters* In: *Chinese Conference on Biometic Recognition (CCBR)2015*

[4] J.Li, **S.Li**, J.Hu, and W.Deng. *Simultaneous Blurred Face Restoration and Recognition* In: *Asian Conference on Pattern Recognition (ACPR)2015 (Oral)*.

[5] J.Li, **S.Li**, J.Hu, and W.Deng. *Adaptive LPQ: an Efficient Eescriptor for Blurred Face Recognition* In: *Automatic Face and Gesture Recognition (FG)2015*

Project Experience

Automatic Storage System for Electronic Chips via Optical Character Recognition
July 2014 - May 2015

The system can automatically store chips in corresponding boxes by recognizing surface characters and take specific chips out under user's order. The project accomplished by 8 college students including me has been appointed as "National College Students' Innovative and Entrepreneurial Project".

- Built the character database by collecting characters on chip surface of multifont.
- Developed an OCR algorithm research on appearance identification of electronic components based on self-adaptation of multifont template. Overall chip recognition rate reaches 87%.

Statistical System for Exhibition Attendance based on OpenCV
March to May 2014

With cameras installed around every door, the system can detect people's entrance and exit and then calculate number of people in a hall. The project accomplished by 6 college people including me has been used in The Sixth College Student Innovation Exhibition for attendance counting.

- Developed the integrated calculation program.
- Debugged parameters such as the minimum and maximum radius of detection, the max number of pixels passed by moving people between two successive images.

Education

Bachelor of Information and Communication Engineering, Expected in July, 2016
Beijing University of Posts and Telecommunications, China

- **GPA**: 91.3/100 (top 2%)
- **Programming Skills**: Web programming, Java. Expertise in C/C++, Matlab.

Honors

- National Scholarship (rank 2 of 592)
- Qualcomm Scholarship for Innovation and Entrepreneurship (rank 8 of 595)
- National Scholarship for Motivation (rank 9 of 629)
- Meritorious Winner in American Interdisciplinary Contest In Modeling (top 7% of 9773)
- First prize in Beijing Division on "China Undergraduate Mathematical Contest in Modeling" (top 5% of 2,679)
- Third prize in Beijing Division on "National Undergraduate Mathematical Contest" (top 15% of 30,000)
- Team champion on "Huacai Beiyou" Debate Competence (rank 1 of 19)
- National first prize on "CCTV STAR OF OUTLOOK English Talent Competition" (rank 1 of 123)
- Merit Student of University
- Outstanding Student leaders of University