BO CHEN

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EDUCATION

Shanghai Jiao Tong University, **Shanghai, China** *Sep.2012 - Jun.2016(Expected)*
Bachelor of Engineering in Information Engineering
GPA: **88.76/100** Ranking: **9^{th}/162**

PUBLICATIONS

Bo Chen, Qianru Li, Shiyu Liang, Luoyi Fu, Xiaoying Gan, Xinbing Wang. "Latent Structure Detection of Online Social Networks", IEEE INFOCOM, 2016. (Submitted)

Qianru Li, **Bo Chen**, Songjun Ma, Luoyi Fu, Xinbing Wang. "Contrastive Topic Evolution Discovery via Nonnegative Matrix Factorization", IEEE ICC, 2016. (Submitted)

RESEARCH EXPERIENCES

Research Center of Intelligent Internet of Things, Shanghai, China *Sep. 2015 - Present*
Project: eBlink: A Glasses-like Device for Facial Paralysis Curing
Advisor: Associate Professor Xiaohua Tian

- Built a real-time system on the wearable device to detect and help cure of facial paralysis.
- Captured the photos with infrared camera on Raspberry Pi 2 and designed the image processing algorithm to identify abnormalities of users' faces, achieving an accuracy over 97%.
- Designed the Neuromuscular Electrical Stimulation circuit to generate stimulation signals to the skin.

Research Center of Intelligent Internet of Things, Shanghai, China *May. 2014 - Jul. 2015*
Project: Latent Structure Detection of Online Social Networks
Advisor: Professor Xinbing Wang

- Detected the latent structure of Online Social Networks from text information posted on Weibo.
- Extracted features of 1,643,144 Weibo users and 130,006 IEEE papers with various feature lengths.
- Used methods based on Markov Random Fields (MRFs) to construct the latent network of users.

Lab of Mobile Computing and Crowd-sourcsing, Shanghai, China *Oct. 2013 - Jun. 2014*
Project: Smartphone-based Mobile Cloth Search System
Advisor: Professor Chengnian Long

- Developed an app on the smartphone which parses a photo of cloth taken by the user, extracts the fingerprint and finds the URL containing information of the corresponding cloth.
- Collected the database containing more than 10,000 images of clothes by crawling data from the Internet and labeling each image with an executable program.
- Our app has an accuracy rate of 85%, exceeding that of Baidu Shitu App.

Lab of Science and Technology Innovation, Shanghai, China *Mar. 2015 - Jun. 2015*
Project: Single-Chip Microcomputer Based Smart Car
Advisor: Senior Engineer Yan Yuan

- Built a smart car based on single-chip microcomputer which can be controlled by an Android phone through button, gravitation and voice and by the joystick, and has a tracking function.
- Implemented socket communication with Java and C and solved the problem of instruction loss.
- Designed the tracking function based on face recognition, infrared rays and ultrasonic radar.
- Incorporated the signal from joystick, accelerometer, voice and button to control the car.

AWARDS

Scholarship for Excellent students (Top 10%) Oct.2014
Scholarship for Excellent students (Top 5%) Oct.2013
Tung Orient Overseas Container Line Scholarship (Top 1%) Nov.2013

SKILLS AND INTERESTS

Computer Languages	C/C++, Python, Java, Assembly Language, Scala, VHDL, Verilog, LaTeX
Tools	MATLAB, LabVIEW, R, Xlinx ISE, Multisim, HFSS, ADS
Database	AdoDB, MongoDB
Interests	Basketball, Table Tennis and Swimming